Construction News

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Jan. 29	Buffalo, N. Y.	Jan. 18
Jan. 29	St. Paul, Minn.	Jan. 25
Jan. 30	Zephyrhills, Fla.	Jan. 11
Jan. 30	New York, N. Y. Adv. Jan. 11 to 25.	Jan. 18
Jan. 30	Bunkie, La.	Jan. 18
Jan. 30	New York, N. Y.	Jan. 25
Jan. 30	Milwaukee, Wis.	Jan. 25
Feb. 1	Spokane, Wash.	Nov. 16
Feb. 6	Zellenople, Pa. Adv. Jan. 25.	Jan. 25
Feb. 8	Alma, Kan.	Jan. 25
Feb. 14	Wellsville, O. Adv. Jan. 25.	Jan. 25
Feb. 15	Cheney, Wash.	Jan. 18
Feb. 15	Fond du Lac, Wis.	Jan. 25

SEWERS

Jan. 29	Spring Lake, N. J. Adv. Jan. 11 to 25.	Jan. 11
Jan. 29	Clover, S. C.	Jan. 18
Jan. 30	Johnson City, N. Y.	Jan. 25
Jan. 31	Baltimore, Md.	Jan. 25
Feb. 1	Van Buren, Ark.	Jan. 25
Feb. 2	Denver, Colo.	Jan. 18
Feb. 2	St. George, N. Y.	Jan. 25
Feb. 5	Spring Valley, N. Y.	Jan. 25
Feb. 6	Springwells, Mich. Adv. Jan. 18 and 25.	Jan. 18
Feb. 6	Lyons, Ill.	Jan. 25
Feb. 6	Ogden, Utah	Jan. 25
Feb. 7	Pittsburg, Kan.	Jan. 25
Feb. 12	Elmhurst, Ill.	Jan. 25
Feb. 23	Portland, Ore.	Jan. 11
Mar. 12	New Castle, Pa. Adv. Jan. 25.	Jan. 25

WASTE DISPOSAL

Mar. 1	Spokane, Wash.	Jan. 18

BRIDGES

Jan. 30	Ft. Dodge, Ia.	Jan. 18
Jan. 30	Marshalltown, Ia.	Jan. 18
Feb. 2	Missouri	Jan. 25
Feb. 7	Mermenton, La.	Jan. 11
Feb. 7	Appleton, Wis. Adv. Jan. 11 to 25.	Jan. 11
Feb. 7	Bison, S. D.	Jan. 18
Feb. 7	Prineville, Ore.	Jan. 25
Feb. 14	Minnesota	Jan. 25
Feb. 14	New Orleans, La. Adv. Jan. 18 and 25.	Jan. 18
Feb. 16	Pikeville, Ky. Adv. Jan. 25.	Jan. 25
Feb. 19	Alabama	Jan. 25
Apr. 1	Wilkes-Barre, Pa.	Dec. 14
Sept. 1	Sydney, New South Wales, Australia	Aug. 3

EXCAVATION, DRAINAGE, IRRIGATION

Feb. 6	Terra Bella, Calif.	Jan. 18
Feb. 6	Muscatine, Ia. Adv. Jan. 25.	Jan. 25
Feb. 6	Houston, Tex.	Jan. 25
Feb. 7	Shreveport, La.	Jan. 18
Feb. 7	Baltimore, Md. Adv. Jan. 25.	Jan. 11
Feb. 15	Mankato, Minn.	Jan. 25
Mar. 1	Redwood Falls, Minn.	Jan. 25

STREETS AND ROADS

Jan. 29	Connecticut Adv. Jan. 25.	Jan. 25
Jan. 29	St. George, N. Y.	Jan. 25
Jan. 30	Quebec	Dec. 28
Jan. 30	West Virginia	Jan. 11
Jan. 30	Zephyrhills, Fla.	Jan. 11
Jan. 30	Starke, Fla.	Jan. 18
Jan. 30	Indiana	Jan. 18
Jan. 30	Platte, S. D.	Jan. 18
Jan. 30	Emporia, Va.	Jan. 25
Jan. 30	Omaha, Neb.	Jan. 25
Jan. 31	Oklahoma	Jan. 25
Jan. 31	Cleveland, O.	Jan. 25
Jan. 31	Fond du Lac, Wis.	Jan. 25
Jan. 31	Silverton, Tex.	Jan. 18
Feb. 1	Duluth, Minn.	Jan. 25
Feb. 1	Michigan	Jan. 25
Feb. 1	North Carolina Adv. Jan. 18 and 25.	Jan. 11
Feb. 1	Georgia	Jan. 18
Feb. 2	Missouri	Jan. 25
Feb. 2	Alabama	Jan. 11
Feb. 2	Oswego, Kan.	Jan. 18
Feb. 5	Harrisville, W. Va.	Jan. 11
Feb. 5	San Jose, Calif.	Jan. 18
Feb. 5	Williamsport, Ind.	Jan. 18
Feb. 5	Lawrenceburg, Ind.	Jan. 18
Feb. 5	Versailles, Ind.	Jan. 25
Feb. 5	Evansville, Ind.	Jan. 25
Feb. 5	Salem, Ind.	Jan. 25
Feb. 5	Red Oak, Ia.	Jan. 25
Feb. 5	San Diego, Calif.	Jan. 25
Feb. 6	Louisiana	Jan. 25
Feb. 6	Oroville, Calif.	Jan. 18
Feb. 6	Russellville, Ark.	Jan. 18
Feb. 6	St. Louis, Mo.	Jan. 18
Feb. 6	Wabash, Ind.	Jan. 18
Feb. 6	Marion, Ind.	Jan. 18
Feb. 6	Austin, Minn.	Jan. 18
Feb. 6	Duluth, Minn.	Jan. 18
Feb. 6	Mount Vernon, Ind.	Jan. 11
Feb. 6	Colfax, Ia.	Jan. 25
Feb. 6	Decatur, Ind.	Jan. 25
Feb. 6	Bloomington, Ind.	Jan. 25
Feb. 6	Princeton, Ind.	Jan. 25
Feb. 6	Austin, Minn.	Jan. 25
Feb. 6	Wilkes-Barre, Pa.	Jan. 25
Feb. 7	New York Adv. Jan. 18 and 25.	Jan. 18
Feb. 7	Auburn, Ind.	Jan. 18
Feb. 7	Brookfield, Ill.	Jan. 25
Feb. 9	New Castle, Pa.	Jan. 18
Feb. 12	Ontario	Jan. 18
Feb. 12	Salem, N. J. Adv. Jan. 25.	Jan. 25
Feb. 13	Atwood, Kan.	Jan. 18
Feb. 13	Tulsa, Okla.	Jan. 25
Feb. 13	Louisiana	Jan. 25
Feb. 14	Virginia Adv. Jan. 25.	Jan. 25
Feb. 14	Henderson, Tex.	Jan. 25
Feb. 14	Canton, O.	Jan. 25
Feb. 14	Camden, Ark. Adv. Jan. 25.	Jan. 25
Feb. 15	Salina, Kan.	Jan. 18
Feb. 19	Alabama	Jan. 25
Feb. 20	Waseca, Minn.	Jan. 25
Mar. 1	Marshall, Minn.	Jan. 25
Mar. 5	Hillsdale, Mich. Adv. Jan. 25.	Jan. 25

INDUSTRIAL WORK

Jan. 30	Ft. Atkinson, Wis.	Jan. 25
Feb. 5	Shelbyville, Ill.	Jan. 11
Feb. 15	Cleveland, O.	Jan. 25

BUILDINGS

Jan. 28	Nashville, Tenn.	Jan. 25
Jan. 29	Columbus, O.	Jan. 11
Jan. 29	Oakland, Calif.	Jan. 11
Jan. 29	Wash., D. C.	Jan. 18
Jan. 29	Brooklyn, N. Y.	Jan. 25
Jan. 30	Lafaivre, Ont.	Jan. 11
Jan. 30	Wenatchee, Wash.	Jan. 11
Jan. 30	New York, N. Y.	Jan. 11
Jan. 30	Jenkinstown, Pa.	Jan. 18
Jan. 30	Ames, Ia.	Jan. 18
Jan. 30	Baltimore, Md.	Jan. 18
Jan. 30	Minneapolis, Minn.	Jan. 25
Jan. 30	Jackson, Mich.	Jan. 25
Jan. 31	Trenton Junction, N. J.	Jan. 18
Jan. 31	Groveport, O.	Jan. 11
Jan. 31	Brooklyn, N. Y.	Jan. 25
Feb. 1	St. Thomas, N. D.	Jan. 4
Feb. 1	Chicago, Ill.	Dec. 21
Feb. 1	Niagara Falls, N. Y.	Jan. 11
Feb. 1	Thiells, N. Y.	Jan. 11
Feb. 1	Kansas City, Mo.	Jan. 11
Feb. 1	Milwaukee, Wis.	Jan. 18
Feb. 1	New Orleans, La.	Jan. 18
Feb. 1	Pittsburgh, Pa.	Jan. 25
Feb. 1	Jeannette, Pa.	Jan. 25
Feb. 1	St. Paul, Minn.	Jan. 25
Feb. 2	Minneapolis, Minn.	Jan. 25
Feb. 2	Perry, N. Y. Adv. Jan. 18 and 25.	Jan. 18
Feb. 5	Trenton, N. J. Adv. Jan. 18 and 25.	Jan. 18
Feb. 5	Albany, N. Y.	Jan. 25
Feb. 6	West Springfield (Springfield P. O.), Mass.	Jan. 25
Feb. 6	New Prague, Minn.	Jan. 25
Feb. 6	San Antonio, Tex.	Jan. 18
Feb. 6	Toms River, N. J. Adv. Jan. 25.	Jan. 25
Feb. 7	Weston, Ont.	Jan. 18
Feb. 8	Massillon, O.	Jan. 25
Feb. 9	Jamestown, N. Y.	Jan. 11
Feb. 10	Kenosha, Wis.	Jan. 4
Feb. 12	Albion, Mich.	Jan. 18
Feb. 13	Taft, Calif.	Jan. 25
Feb. 14	Marcy, N. Y. Adv. Jan. 25.	Jan. 25
Feb. 14	Kings Park, N. Y. Adv. Jan. 25.	Jan. 25
Feb. 15	St. Charles, Minn.	Jan. 11
Feb. 23	Jamestown, N. Y.	Jan. 11
Feb. 23	Jamestown, N. D.	Jan. 25
Mar. 1	Red Lion, Pa.	Jan. 18
Mar. 1	Denver, Colo.	Jan. 18
Mar. 15	Duluth, Minn.	Jan. 18
Mar. 15	Trenton, N. J.	Jan. 11
Mar. 23	Shreveport, La.	Nov. 9
Apr. 1	Oil City, Pa.	Jan. 18

FEDERAL GOVERNMENT WORK

Jan. 27	Barges—Florence, Ala. Adv. Jan. 4 to 25.	Jan. 4
Jan. 29	Ward Building, etc.—Savannah, Ga.	Jan. 4
Jan. 29	Natatorium — Annapolis, Md.	Jan. 25
Jan. 30	Dredging Ladder — Cincinnati, O. Adv. Jan. 4 to 25.	Jan. 4
Jan. 30	Barges—Nashville, Tenn. Adv. Jan. 4 to 25.	Jan. 4
Jan. 30	Extension — New York, N. Y.	Jan. 11
Jan. 30	Houses—Ft. Benning, Ga.	Jan. 11
Jan. 31	Houses—Pittsburgh, Pa. Adv. Jan. 4 to 25.	Jan. 4
Jan. 31	Quarters — Iona Island, N. Y.	Jan. 25
Feb. 1	Dredging—Galveston, Tex. Adv. Jan. 4 to 25.	Jan. 4
Feb. 1	Well—Dona Ana, N. M. Adv. Jan. 11 to 25.	Jan. 11
Feb. 6	Laboratory, etc. — Wash., D. C.	Jan. 25
Feb. 6	Stone—Wilmington, Del. Adv. Jan. 25.	Jan. 25
Feb. 6	Alterations—Dawson Springs, Ky.	Jan. 25
Feb. 7	Detonator and Storehouse—Puget Sound, Wash.	Jan. 11
Feb. 7	Water Supply System — Tiburon, Calif.	Jan. 11
Feb. 7	Mechanical Equipment—Chelsea, N. Y. Adv. Jan. 25.	Jan. 25
Feb. 7	Dredging—Phila., Pa.	Jan. 25
Feb. 7	Water Softening Machinery —San Diego, Calif.	Jan. 25
Feb. 8	Horses and Props—Cincinnati, O. Adv. Jan. 11 to 25.	Jan. 11
Feb. 10	Plotting Room, etc. — Ft. Tilden, N. Y. Adv. Jan. 18 and 25.	Jan. 18
Feb. 12	Steel, etc.—Cincinnati, O. Adv. Jan. 18 and 25.	Jan. 18
Feb. 12	Generator—Florence, Ala. Adv. Jan. 25.	Jan. 25
Feb. 13	Breakwater—Phila., Pa. Adv. Jan. 18 and 25.	Jan. 25
Feb. 14	Sluice Gates — Boise, Idaho	Jan. 4
Feb. 15	Furnishing Stone, etc.—Crescent City, Calif.	Dec. 28
Feb. 15	Valves—Boise, Idaho	Jan. 4
Feb. 16	Hospital — Battle Creek, Mich. Adv. Jan. 18 and 25.	Jan. 18
Feb. 17	Tanks—Florence, Ala. Adv. Jan. 25.	Jan. 25
Feb. 19	Post Office—Nogales, Ariz.	Jan. 25
Feb. 21	Dredging—Galveston, Tex.	Jan. 11
Feb. 21	Castings, etc. — Florence, Ala. Adv. Jan. 25.	Jan. 25
Feb. 24	Quarter-boat and Barges — Wilmington, Del. Adv. Jan. 25.	Jan. 25
May 10	Post Office — Cordova, Alaska	Jan. 25

MISCELLANEOUS

Jan. 29	Bulkhead, etc. — Mineola, N. Y. Adv. Jan. 18 and 25.	Jan. 18
Jan. 30	Flushers—Mankato, Minn.	Jan. 18
Jan. 30	Portland Cement—Milwaukee, Wis.	Jan. 25
Jan. 30	Core Borings—Phila., Pa.	Jan. 25
Jan. 31	Lumber, etc. — Iowa City, Ia.	Jan. 18
Jan. 31	Substructure for Pier and Bulkhead—Baltimore, Md.	Jan. 25
Jan. 31	Refined Asphalt, etc.—Brooklyn, N. Y.	Jan. 25
Feb. 1	Asphalt Road Oil, etc.—New York, N. Y.	Jan. 25
Feb. 1	Platform and Woodwork — New Orleans, La.	Jan. 25
Feb. 1	Sand—New Orleans, La.	Jan. 18
Feb. 1	Structural Steel—New York, N. Y.	Jan. 25
Feb. 2	Brick Paving Block, etc.—Jamestown, N. Y.	Jan. 25
Feb. 5	Water Pipe and Fittings — Redwood City, Calif.	Jan. 18

Bids Close			See Eng. News-Record
Feb.	5	Turbine, Generator, etc. — Arizona	Jan. 18
Feb.	5	Lumber, etc.—Harlan, Ia.	Jan. 18
Feb.	5	Rock Crusher, etc. — Knox, Ind.	Jan. 25
Feb.	6	Culvert Metal, etc.—Osage, Ia.	Jan. 25
Feb.	6	Lumber, etc. — Maquoketa, Ia.	Jan. 25
Feb.	6	Lumber, etc.—Clinton, Ia.	Jan. 25
Feb.	6	Tractor and Grader—Burke, S. D.	Jan. 25
Feb.	7	Screening Plant — Mora, Minn.	Jan. 18
Feb.	7	Motor Truck — Appleton, Wis.	Jan. 11
Feb.	7	Lumber, etc — Waverly, Ia.	Jan. 18
Feb.	7	Lumber, etc.—Vinton, Ia.	Jan. 18
Feb.	8	Lumber, etc.—Nevada, Ia.	Jan. 25
Feb.	15	Dry Dock Machinery—Esquimalt, B. C.	Jan. 4
Feb.	19	Brick—Wash., D. C.	Jan. 25

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Meriden—Health and Water Dept. plans filtration plant. $75,000. Engineer not selected.

W. Va., Huntington—Southern Point Oil Co., 1st Natl. Bank Bldg., plans 15 mi. pipe line and several pumping plants, near here. $100,000. L. H. Lipsey, pres.

Mich., Jackson—See "Sewers."

Mich., Monroe—Had plans prepared 1,155 ft. 6, 8, 10 and 12 in. c.i. mains in Winchester and Elm Sts. $15,000. Hoad, Decker, Shoecraft & Drury, 302 South State St., Ann Arbor, engrs.

Ill., McLeansboro—Making plans waterworks incl. impounding reservoir, rapid sand filter plant, dam, several miles pipe lines, new engines and generators. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, Mo., engr.

Wis., Dousman — Wisconsin Masonic Home making plans concrete reservoir, 30 ft. diameter, 10 ft. deep, elevated steel tank, 20,000 gal. capacity, also 1 story brick and concrete pump house. $20,000. Mead & Seastone State St., Madison, engrs. A. D. Koch, 120 Wisconsin St., Milwaukee, archt.

Wis., Milwaukee — City Council made following appropriations for water tunnels; $350,000 for concrete tunnel under Milwaukee River at bridge connecting Michigan and Sycamore Sts.; $25,000 for concrete tunnel under railroad tracks at North Ave.; $25,000 for concrete tunnel under railroad tracks at Vliet St. G. F. Staal, City Hall, engr.

Ia., Sutherland — Making plans waterworks. $20,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Minn., Morristown — Having plans prepared and takes bids about March 1, waterworks system. $20,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Neb., Davenport—Election soon to vote on $25,000 bonds for tank, tower, pumps, hydrants, valves, mains, etc. Prince-Nixon Eng. Co., 501 Peters Trust Bldg., Omaha, engrs.

Mo., Holden—Plans improvements to water system, incl. rebuilding present dam, increasing water supply, modern water filtration plant, new pumping station, mains and new elevated tower, Benham Eng. Co., 512 Gumbel Bldg., Kansas City, engrs.

Tex., Beaumont — Soon takes bids 2 pump stations one in South Park Pl. and other French Pl. $30,000. W. L. Fulwilder, city engr.

Okla., Pauls Valley — Voted $188,000 bonds for water purification plant, pumping station and water extensions, and $53,000 bonds for power plant equipment. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Dec. 28.

Wash., Riverside — Riverside Irrigation Dist. voted $450,000 bonds and plans irrigating 4,000 acres land by pumping run by hydro electric power developed at Okanogan River, McLaughlin Canyon, 2,800-3,000 hp. pumps, 30 ft.-100 ft. lift. N. Aall, Riverside, engr. Noted Jan. 18.

Calif., Antioch—Having plans prepared improving waterworks, incl. 500,000 gal. rein.-con. setling basin, 100,000 coagulation basin, c.i. outside piping, repairing present filtration system and installing 2 pumps. C. F. Smith, 7 Nottingham St., Berkeley, engr.

Ont., Paisley—Plans to improve and extend waterworks system. J. C. Gibson, chn. com.

Ont., Tecumseh—Plans to install filter system in waterworks plant, probably mechanical filters. $6,000. E. Dugal, town clk.

BIDS DESIRED

N. Y., New York—Jan. 30, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in West 133rd St., Central Park W, Amsterdam and 5th Aves. and Central Park.

Pa., Zelienople—Feb. 6, by Boro Council, water filtration plant. Hudson & Myron, 808 Wabash Bldg., Pittsburgh, engrs.; adv. this issue.

O., Wellsville—Feb. 14, at office of T. R. Snowden, Dir. Pub. Serv., earthen reservoir and gravity pipe lines connecting with city water works distribution system. W. J. Sherman Co., 302 Produce Exchange Bldg., Toledo, engrs.; adv. this issue.

Ill., Lyons—See "Sewers."

Wis., Fond du Lac—Feb. 15, by Water Dept., furnishing and erecting one 5 or 6,000,000 gal. pump in pumping station. J. J. Breister, supt. Private plans.

Wis., Milwaukee—Jan. 30, at office Central Bd. Purchases, three 42 in. Venturi tube meters, complete with 3 suitable register indicating-recording devices; 6 hydraulically operated 42 in. valves. G. Staal, city engr.

Kan., Alma—Feb. 8, water system incl., 30,360 ft. 2-6 in. c.i. pipe, thirty-five 4 in. hydrants 4-6 in. shoe, twenty 2-6 in. gate valves and boxes, 50,000 gal. 15 x 25 ft. circular concrete reservoir alternate bid on 50,000 gal. 40 ft. steel stand pipe, concrete curbed well, pump house and 125 g.p.m. triples motor driven pump, alternate bid on 125 g.p.m. centrifugal pump and motor; sewer system incl. 22,141 ft. 8-12 in. vitr. pipe, 13 flush tanks, appurtenances, Imhoff tank, sludge bed, dosing chamber, filter beds, etc. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs. Noted Dec. 7.

Minn., St. Paul—Jan. 29, by H. W. Austin, city purch. agt., disc type water meters as follows: one thousand ¾ in. with couplings, two thousand ¾ in. with spuds, couplings and connections, fifteen 1 in. with 1¼ in. meter size spuds and couplings, fifty 1¼ in. with couplings, fifty 2 in. with couplings five 42 in., two 36 in., fourteen 30 in. and one 24 in. hand-operated gate valves; special castings; one 12,000 gal. steel gasoline tank, incl. pump and hoses. G. M. Shepard, city engr.

Tex., Highland Park—Taking bids main extension, well, pump equipment, etc. $125,000 bonds voted. Meyers & Noyes, Dallas Co. State Bank, Dallas, engrs. Noted Dec. 28.

Okla., Oklahoma City—J. H. Patterson, purch. agt., receiving bids 320 ton c.i. pipe for city waterworks.

N. M., Artesia—See "Sewers."

BIDS RECEIVED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., opened bids Jan. 16, mains in Ave. A, 1st and 2nd Aves., East 42nd, East 51st, East 62nd, East 69th, East 74th, East 78 and East 81st Sts., from Beaver Eng. & Contg. Co., 57 Chamber St., $134,738; Paladino Contg. Co., 437 East 120th St., $169,000; F. L. Paino, 572 1st St., Brooklyn, $175,000. Noted Jan. 11.

O., Akron—Furnishing (1) c.i. pipe and (2) special fittings from Natl. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, (1) $24,418, (2) $4,514; Hammond Byed Iron Co., Anniston, Ala., (1) $23,398, (2) $4,929; U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, (1) $24,859, (2) $4,978. Noted Dec. 14.

O., Cleveland—Opened bids Jan. 12 at office of Commissioner Purchases & Supplies, City Hall, constructing 2 concrete intake tunnels, 500 ft., 10,300 cu.ft. cement grout, 28,000 sq.ft. steel sheet piling, 110,000 lb. reinforcing, etc., from P. F. Connolly Co., Commonwealth Bldg., $221,153; Stange and Walsh, Baldwin Rd., $278,000, Hunkin-Conkey Constr. Co., Century Bldg., $302,000. Noted Dec. 21.

Calif., Blythe—Palo Verde D. D., opened bids constructing portion of drainage system, (1) 2,400 ft. piling (2) 97,000 ft. lumber (3) 900 ft. flume (4) 200 ft. culvert (5) 120 yd. concrete (6) 1,500 ft. paving (7) 2,250 lb. steel (8) 540,000 yd. excav., from P. B. Engh, Pacific Electric Bldg., Los Angeles, (1) $1.50 (2) $105, (3) $4.75 (4) $46.50 (5) $35 (6) $0.40 (7) $0.08 (8) $0.14; T. Maddock, 306 East McDowell Rd., Phoenix, Ariz., (1) $1.25 (2) $90 (3) $6.50 (4) $9.50 (5) $30 (6) $0.35 (7) $0.07 (8) $0.194; C. Thompson, Blythe, (1) $1 (2) $115 (3) $4.17 (4) $7.60 (5) $30 (6) $0.16 (7) $0.06 (8) $0.165; Foley Bros. & Foley, Monrovia, (1) $3.25 (2) $100 (3) $5 (4) $14 (5) $45 (6) $0.65 (7) $0.11 (8) $0.132.

CONTRACTS AWARDED

La., Houma—Mayor and Bd. Aldermen, waterworks system incl. structure, pipe laying, filtration plant and power house, to Merkel Constr. Co., 1733 Walnut St., Kansas City, Mo., $110,000, two 300 hp. crude oil engines, with electrical equipment, to McIntosh-Seymour Corp., Auburn, N. Y., $55,200. Noted Nov. 23.

Wis., Ft. Atkinson—Improvements and additions to waterworks system, to Harris Air Pipe Co., 832 South Dearborn St., Chicago. Engrs. est. $15,000.

S. D., Rapids City—Waterworks reservoir, Contr. 1, to Concrete Eng. Co., Rapid City, $37,752; laying pipe, Contr. 2, to A. A. Dobson Co., 809 First Natl. Bank Bldg., Lincoln, Neb., $26,753; c.i. pipe, Contr. 3, to DuLamel Co., Rapid City, $89,505; lead and jute, Contr. 4, and hydrants and valves, Contr. 5, to Hendrie & Bolthoff Co., 1639 17th St., Denver, Colo., $6,119 and $6,354 respectively. Noted Dec. 21.

Tex., Hamilton — Water reservoir incl. 50,000 cu.yd. earth fill, 300 cu.yd. mass concrete 1,000 cu.yd. rubble masonry, to D. F. Brooks, Denison, $27,434. Engrs. est. $25,000.

Okla., Ponca City—Furnishing and erecting 500,000 gal. water tank and tower, to Chicago Bridge & Iron Wks., 608 South Dearborn St., Chicago, Ill. Noted Nov. 23.

Sewers

PROPOSED WORK

N. Y., Brighton—Towns of Brighton and Pittsford having plans prepared 40 mi. sewers and sewage disposal plant, $1,265,000. W. S. Lozier, 321 Cutler Bldg., Rochester, engr.

N. Y., Buffalo—See "Miscellaneous."

N. Y., Jamestown—See "Miscellaneous."

N. J., Trenton—Soon takes bids sewage disposal plant. $1,250,000. G. A. Johnson, 150 Nassau St., New York City, engr. Noted Nov. 16.

Mich., Jackson—Having plans prepared for sewage disposal plant, intercepting relief sewers and water systems: $350,000. Hoad, Decker, Shoecraft & Drury, 302 South State St., Ann Arbor, engrs.

Wis., Milwaukee—Sewerage Comn., 508 Market St., making plans outfall to main sewage disposal plant, incl. 160 ft. rein.-con. tunnel on pile foundation; 200 x 225 ft. filter house, 60 ft. high, 120 x 180 ft. dryer house, 50 ft. high, 73 x 104 ft. fire screen house, 50 ft. high, filter house and fire screen house to be equipped with traveling cranes, all to be brick, concrete and steel, in connection with sewage disposal plant on Jones Island. T. C. Hatton, 508 Market St., ch. engr.

Wis., Milwaukee—Plans to expend $1,700,000 for extensions to sewers throughout city. G. F. Staal, City Hall, engr.

Wis., Woodville—Making plans sanitary sewerage system. $30,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Ia., Clinton — Making plans and will probably take bids about Feb. 15, for sewer extensions. $40,000. B. R. Anderson, city engr.

Ia., Sutherland—Making plans sewerage system and disposal plant. $30,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Minn., Morristown—Having plans prepared and takes bids about March 1, sanitary sewerage system and disposal plant. $35,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Kan., Lakin—Defeated $33,000 bond issue for new sewerage system. Another election to be called later. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., archts.

Ark., Camden—See "Streets and Roads."

Tex., Brownsville — City Comn. soon takes bids complete sewage disposal plant. $75,000. H. E. Snow, city engr.

Okla., Roosevelt — V. V. Long & Co., engrs., 1300 Colcord Bldg., Oklahoma City, submitted report recommending improvements, incl. new water supply and raising dam. $37,000.

Calif., Hollister—Having plans prepared sewage disposal plant. $25,000. C. F. Smith, 7 Nottingham St., Berkeley, engr.

Que., Montreal—Plans 290 ft. brick outlet, 6 ft. diam., for Nicolet St. Sewer. $32,000. H. A. Tetreault, chn. pub. wks.

Ont., Galt—Plans sanitary sewer in Forbes St. and Waterloo Ave., $22,163, sanitary and storm sewer in Elgin St., $3,745. Work involves about 9,000 ft. 8 in. vitr. pipe. D. T. Black, city engr.

Sewers (Continued)

Ont., Sandwich—Having plans prepared sewage disposal plant. $150,000. McMoll & Patterson, Gas Bldg., Windsor, engrs.

BIDS DESIRED

N. Y., Johnson City—Jan. 30, by Bd. Trustees, W. C. Lewis, clk., sewers in Lester, Rutland, and Downs Aves., Stella, Rogers, Morton, Martha and Hiram Sts. $25,000.

N. Y., Spring Valley—Feb. 5, by City Clerk, 15 mi. sewers and disposal plant. $200,000. W. S. Coulter, 114 Liberty St., New York City, engr. Noted Aug. 17.

N. Y., St. George—Feb. 2, by J. A. Lynch, pres. Richmond Boro, Boro Hall, sanitary sewer in Duer Lane from Forest to Woodstock Aves., Woodstock Ave. from Duer Lane to Castleton Ave.; extending existing sewers in Forest Ave. and Silver Lake Rd. to proposed sewer in Duer Lane, 40 ft. long.

Pa., New Castle—March 12, at office C. E. Brown, city clk., extending main sewer in 7th Ward. Fuller & McClintock, 170 Bway., New York City, consult. engrs.; adv. this issue.

Md., Baltimore—Jan. 31, by Bd. of Awards, City Hall, sanitary sewers in Dist. G-14. Sanitary Contr. 196, 22,491 lin.ft. 8-18 in. vitr. pipe, 12,984 lin.ft. house connections, 106 manholes, Dist. 11, Sanitary Contr. 197, 14,162 lin.ft. 8-24 in. vitr. pipe, 5,686 lin.ft. house connections, 88 manholes. C. F. Goob, City Hall, highways engr.

Ill., Elmhurst—Feb. 12, for sewers and disposal plant. $150,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Oct. 19.

Ill., Lyons—Feb. 6, for sewer and waterworks extensions. $110,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Dec. 28.

Kan., Alma—See "Waterworks."

Kan., Pittsburgh — Feb. 7, intercepting sewers, sewage pumping station and sewage disposal works, incl. 3,720 ft. 6-18 in. vitr. pipe, 8,150 cu.yd. excav. for sewage disposal works, 22,932 ft. 8 in. split tile underdrains in sprinkling filter, 10,500 cu. yd. crushed stone filtering material in sprinkling and sludge filters, etc. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Dec. 7.

Ark., Van Buren—Feb. 1, at office of C. M. Wofford, secy., Bd. Impvt., Sewere Dist. 4, sanitary sewerage system incl. 23,990 ft. 6-12 in. vitr. pipe, excavating and refilling 8,870 ft. trench less than 4 ft. deep, 10,870 ft. 4-6 ft., 2,520 ft. 6-8 ft., 1,280 ft. 8-10 ft., 350 ft. 10-12 ft., 100 ft. 12-14 ft., 1,500 cu.yd. rock excav. in trench, 39 manholes, 9 cleanouts and 28 lamp holes. W. L. Winters, Ft. Smith, engr.

Okla., Tulsa—See "Streets & Roads."

N. Mex., Artesia — Jan. 30, sanitary sewerage system, improving water distributing system and paving 6 blocks on Main St., incl. 21,326 ft. cut from 0-6 ft., 7,222 ft. 6-8 ft., 9,710 ft. 8-10 ft. and 385 ft. 10-12 ft., 11,476 lin.ft. 6 in., 21,012 ft. 8 in., 2,475 ft. 10 in. and 3,656 ft. 12 in. vitr. pipe, 10 flush tanks, 99 manholes, 990 ft. ¾ in. galvinized w.i. pipe, disposal plant with septic tank, sludge bed, grit retainer, etc.; 1,025 ft. 6 in. and 6,970 ft. 4 in. c.i. water mains, 3,675 lb. c.i. specials, etc.; 13,742 sq.yd. 6 in. plain concrete paving, 2,290 cu.yd. excav., 13,742 sq.yd. finishing and rolling, 3,135 ft. 6 in. concrete curb, etc. E. Stone, clk. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Utah, Ogden—Feb. 6, by City Comn., sanitary sewers in Dist. 147, 8-12 in. vitr. clay pipe. $50,000. W. S. Craven, city engr. Noted Jan. 4.

BIDS RECEIVED

N. Y., Buffalo—Comr. Pub. Wks., 5 and 4½ ft. sewer in 2,500 ft. Starin Ave., from Dark & Co., 654 Main St., amco block $51,226; Y. M. Fahning, 460 Leroy Ave., amco block, $52,000, Empire Eng. Co., River Rd. and East Ave., North Tonawanda, amco block, $61,000, rein.-con. pipe, $61,000. Noted Jan. 4.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids Jan. 16, storm water sewer and appurtenances in 25th St., etc., from F. L. Paino, 572 1st St., Brooklyn, $589,855; Necaro Co. Inc., 97 Court St., Brooklyn, $710,282; Awixa Corp., $711,680. Noted Jan. 11.

Mich., Detroit—Opened bids (1) 7,263 ft. Butternut St. Arm Clark Ave. Sewer, (2) 6,813 ft. Buchanan Ave. Arm Clark Ave. Sewer, both brick, monolithic concrete or segment block, from J. A. Mercier, 216 Hammond Bldg., (1) $190,324 (2) $202,471; J. Porath, 745 Griswold St., (1) $256,510; W. Blanck & Co., 823 Ford Bldg., (1) $257,027; G. R. Cooke, 1260 Penobscot Bldg., (2) $194,449; Jeynes & Affeld, 1208 Ford Bldg., (2) $227,386. Noted Jan. 11.

CONTRACTS AWARDED

Fla., Sanford — Sanitary and storm sewers, vitr. clay and segmental block, to Donahoo & Guest, Sanford, $26,524. Noted Dec. 7.

Okla., Oklahoma City—For 13,000 ft. 15-72 in. sewers, to Municipal Excavator Co., 200 East Main St., $41,656.

Waste Disposal

PROPOSED WORK

Pa., Allentown—M. W. Grosse, mayor, rejected bids received Dec. 18, garbage incinerator. $100,000. H. F. Bascom, city engr. Noted Dec. 28.

Bridges

PROPOSED WORK

Md., Mount Washington (Baltimore P. O.)—Mayor and City Council of Baltimore plan ornamental bridges. Southern Ave., here. C. F. Goob, City Hall, highway engr.

Fla., Sebring—Highlands Co. plans election to vote on $50,000 bonds for steel span bridge. W. C. Peacock, Sebring, engr. Noted Oct. 12.

Tenn., Chattanooga—City, Hamilton Co. and State having surveys made concrete and steel viaduct, concrete foundation, over Southern R.R. tracks. East 11th St. to Highland Park. $175,000-$200,000. R. Hooke, city engr.

Tennessee—State Hy. Dept., Nashville, plans concrete and steel span bridge, over Turnbull Creek, Cheatham Co. $25,000 or $30,000. D. Q. McComb, Nashville, ch. engr.

Wisconsin—State Hy. Comn., Madison, takes bids about March 1, for Madison Street Bridge, in Eau Claire, to have one 130 ft., two 120 ft. and two 115 ft. spans, 36 ft. roadway and two 8 ft. sidewalks, $240,000. W. C. Buetow, Madison, bridge engr.

Wis., Ladysmith — See "Streets and Roads."

Wis., Wausau — Making plans 210 ft. rein.-con. bridge, on West Washington St. over the slough, concrete piers and abutments, concrete pavement, also 2 concrete retaining walls, 100 ft. and 80 ft. long, 16 ft. high and 4 ft. at bottom. $50,000. B. C. Gowen, City Hall, engr.

Tex., Bellville—See "Streets and Roads."

Mo., St. Joseph — Having preliminary plans prepared 330 ft. rein.-con. and steel viaduct across 6th St. W. K. Seitz, city engr.

Wash., Easton—Kittitas Co. (Ellensburg) having plans prepared bridge over Yakima River, here. $25,000-$30,000. Address County Engineer, Ellensburg.

Wash., Yakima—City and Yakima Co. having plans prepared and takes bids in spring, 400 ft. viaduct over tracks of Northern Pacific R.R. and Oregon, Washington R.R. & Navigation Co., on Lennox Ave. $27,000. C. F. Wilson, City Hall, city engr. O. E. Brashears, Courthouse, co. engr.

California — Rodeo — Vallejo Ferry Co., foot of Hyde St., San Francisco, plans 3,200 ft. suspension bridge, 135 ft. above water line, over Carquinez Straits, from Contra Costa Co. (Martinez) and Solano Co. (Fairfield). $5,000,000. O. J. Hanford, O. Klatt and H. Steas, dirs.

BIDS DESIRED

Connecticut—See "Streets and Roads."

Virgina—See "Streets and Roads."

Alabama — Feb. 19, by W. S. Keller, state highway engr., Montgomery, 511 ft. bridges on Centerville-Woodstock Rd., Bibb Co., one 80 ft. arch, remainder deck girder type concrete bridges, 1,316 cu.yd. concrete, 26,360 lb. structural and 182,994 lb. reinforcing steel, 368 cu.yd. wet, 254 cu.yd. dry and 335 cu.yd. rock excav., etc.; 716 ft. bridges over Patsaliga Creek, on Mt. Pleasant-Brantley Rd., Crenshaw Co., one 120 ft. steel span on concrete piers, remander treated timber on treated timber piles, 213 cu.yd. concrete, 5,360 lb. reinforcing, 13,657 lin.ft. treated timber piles, 640 lin.ft. untreated timber foundation piles, 1,432 sq.yd. 1½ in. cold mix bituminous surfacing. Noted Jan. 18.

Ky., Pikeville—Feb. 16, by Fiscal Court of Pike Co., highway bridge across Tug Fork of Big Sandy River, near Edgarton, W. Va., and Freeburn, Ky. J. S. Bentley, co. road engr.; adv. this issue.

Minnesota—Feb. 14, by State Hy. Dept., St. Paul, Bridge 3753 on State Project 1-33, steel girder, 580 ft., in Northfield, Rice Co. $30,000; Bridge 3886, State Project 3-37, Federal Aid Project 229, 162 ft., steel girder in Kellog, $20,000; Bridge 3940, State Project 1-39, 230 ft., steel and rein.-con., over Chicago, Rock Island & Pacific R.R. tracks, in Owatonna, Steele Co., $25,000. J. T. Ellison, ch. bridge engr., 1246 University Ave., St. Paul. Noted Nov. 23.

Missouri — Feb. 2, by State Highway Dept., Jefferson City, five 30 ft. I beam spans, 20 ft. roadway over Squaw Creek on Sta. 549 plus 87, on road from Mound City to Rock Port, State Project Route 1, Sect. 13, Holt Co.; one 120 ft., two 76 ft. steel spans, fourteen 25 ft. I beam spans, 2 rein.-con. piers, over Castor River Diversion Channel, on Sta. 738 plus 00, on road from Marble Hill to Advance, State Route 51, Sect. 24, Bollinger Co.; three 30 ft. I beam spans, and one 70 ft. steel truss span, 20 ft. roadway, over drainage ditches, on road from Hayti to Arkansas state line, State Project 9, Sects. 149 and 151, Pemiscot Co.; one 40 ft. rein.-con. deck girder span, one 50 ft. steel truss span, and one 20 ft. rein.-con. slab span, 6 rein.-con. abutments, 20 ft. roadway over Stahl Creek, on road from Phelps to Halltown, Route 14, Sect. 7, Lawrence Co.; one 80 ft. steel truss span, four 20 ft. rein.-con. slab spans, 2 concrete piers, 20 ft. roadway over Palmer Creek, on Sta. 194 plus 70, on road from Brunswick to Keytesville, State Project Route 10, Sect. 24, Chariton Co.; one 140 ft. steel truss span, 2 rein.-con. abutments, 20 ft. roadway, over North Fork of South Robins River, on Sta. 575 plus 00, on road from Edina to Memphis, State Project Route 15, Sect. 11, Knox Co.; one 40 ft. rein.-con. deck girder span, 2 rein.-con. abutments, 20 ft. roadway, over Butte Creek, on Sta. 568 plus 00, on road from Steelville to Cherryville, State Project Route 19, Sect. 4, Crawford Co.; one 80 ft. steel truss span, 2 rein.-con. abutments, 20 ft. roadway, over Bear Creek, on Sta. 564 plus 00, on road from Springfield to St. Louis, State Project Route 43, Sect. 36, Laclede Co.; one 50 ft. steel truss span, 2 rein.-con. abutments and 2 rein.-con. piers, over Dry Fork Stahl Creek, on Sta. 448 plus 30, on road from Phelps to Halltown, State Project Route 14, Sect. 6, Lawrence Co.; one 30 ft. rein.-con. deck girder span, 2 rein.-con. abutments, 20 ft. roadway, over Little Bear Creek, on Sta. 438 plus 60, on road from Springfield to St. Louis, State Project 14, Sect. 36, Laclede Co.; one 60 ft. steel truss span, 2 rein.-con. abutments, 20 ft. roadway, over Hubble Creek, on Sta. 8 plus 20, on road from Piedmont to Bollinger Co. line, State Project Route 34, Sect. 13, Wayne Co.; five 80 ft. spandrel filled spans, 4 rein.-con. abutments, 4 concrete piers, 1,665 cu.yd. concrete surfacing, over Roubidoux Creek, on Sta. 861 plus 35, on road from St. Louis to Springfield, State Project Route 14, Sect. 42, Pulaski Co.; one 100 ft. steel truss span, 2 rein.-con. abutments, 20 ft. roadway, over Salt Creek on Sta. 390 plus 00, on road from Malta Bend to Marshall, State Project Route 20, Sect. 22, Saline Co.; one 60 ft. steel truss span, 2 rein.-con. abutments, 20 ft. roadway, on Sta. 273 plus 55, over Crooked Creek, on road from Troy to Wentzville, State Project Route 9, Sect. 24, Lincoln Co.; one 60 ft., one 160 ft. and one 80 ft. steel truss spans, 2 rein.-con. abutments, 20 ft. roadway over Grande Glaize River, on Sta. 145 plus 00, on road from Jefferson to Linn Creek, State Project Route 15, Sect. 63, Camden Co.; four 30 ft. rein.-con. deck girder spans, 2 rein.-con. abutments, 3 rein.-con. piers, 20 ft. roadway, over Cowskin Creek, on Sta. 836 plus 00, on road from Ozark to Ava, State Project Route 40, Sect. 20, Douglas Co.; one 100 ft. steel truss span, 2 rein.-con. abutments, 20 ft. roadway, over North Cut Drainage Ditch, on Sta. 556 plus 45, on road from Benton to Charleston, State Project Route 55, Sect. 6, Scott Co.; one 20 ft. rein.-con. slab span, 2 rein.-con. abutments, 20 ft. roadway, over Peters Creek, on Sta. 92 plus 45, on road from Piedmont to Bollinger Co. line, State Project Route 34, Sect. 13, Wayne Co.; ten 40 ft., and twelve 20 ft. I beam spans, one 140 ft., one 100 ft. and two 50 ft. steel truss spans, one 20 ft. rein.-con. slab span, over Grand River, on road from Stanberry to Albany, State Project Route 4, Sect. 18, Gentry Co. B. H. Piepmeier, ch. engr.

Ore., Prineville—Feb. 7, by County Court Crook Co., for steel bridge across Crooked River, on Market Rd. 6, approximately 50 mi. from here. A. W. Battle, clk.

BIDS RECEIVED

Missouri—State Hy. Dept. at div. office Carrollton and Lexington, one 20 ft. steel beam, one 82 ft. and one 80 ft. steel girder, one 145 ft. deck truss, two 420 ft. and three 255 ft. steel truss spans, 2 concrete abutments, 6 rein.-con. piers, etc., over Missouri River, on road from Carrollton to Lexington, Federal Aid Project 220, Carroll and Lafayette Counties, (1) substructure (2) superstructure (3) furnishing material for superstructure, from Missouri Valley Bridge & Iron Co., 4th and Walnut Sts., Leavenworth, Kan., (1) $252,879; Kansas City Bridge Co., 510 Orear-Leslie

Bridges (Continued)

Bldg., Kansas City. (1) $307,483 (2) $162,692 (3) $207,252; Foundation Co., 209 South La Salle St., Chicago. (1) $307,851; Wisconsin Bridge & Iron Co., North Milwaukee, Wis., (2) $88,378 (3) $190,695; Mt. Vernon Bridge Co., Mt. Vernon, O., (2) $133,477 (3) $194,558. Noted Oct. 19.

Missouri—State Hy. Dept. at div. offices Marshall and Fayette, opened bids Dec. 16, thirty-five 20 ft. and one 36 ft. timber, one 248 ft., two 316 ft., one 224 ft. and one 344 ft. steel truss spans, 6 rein.-con. piers, 20 ft. roadway, etc., over Missouri River, on road through Saline and Howard Counties. (1) substructure (2) superstructure, from Union Bridge & Constr. Co., 903 Sharp Bldg., Kansas City. (1) $297,003; Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City. (1) $304,208 (2) $334,175; Missouri Valley Bridge & Iron Co., 4th and Walnut Sts., Leavenworth, Kan., (1) $304,290; Mt. Vernon Bridge Co., Mt. Vernon, O., (2) $269,310. Noted Nov. 30.

CONTRACTS AWARDED

Tenn., Clarksville — State Hy. Dept., Nashville, 752 ft. bridge over Cumberland River, here, 13 spans, 4 river piers, to Gould Contg. Co., 1214 Independent Life Bldg., Nashville. Engrs. est. $200,000.

Tenn., Nashville—Meridian St. Viaduct, concrete work, to Foster & Creighton, 4th and 1st Natl. Bank Bldg., $206,000; Church St. Viaduct, concrete and concrete and steel truss, to Gould Contg. Co., 1214 Independent Life Bldg., $200,000. Noted Oct. 19.

Missouri—See "Streets and Roads."

Missouri—State Hy. Dept. at div. office Fredericktown, one 35 ft. rein.-con. deck girder, two 50 ft. and one 140 ft. steel truss spans, 20 ft. roadways, concrete abutments, on road from Fredericktown westward, Federal Aid Project 203A, Madison Co., to M. E. Gillioz, Monett, $44,434.

Missouri—State Hy. Dept. Jefferson City, four 60 ft. steel truss, one 50 ft. steel I-Beam, one 50 ft. I-Beam and two 80 ft. skewed steel truss spans, on road from Charleston to Wolf Island, Federal Aid Project 198B, Mississippi Co., to R. F. Williams, Wyatt, $50,166. Noted Jan. 11.

Missouri—State Hy. Dept., at div. office Marble Hill, deck girder and steel truss bridge on road from Marble Hill to Patton, Federal Aid Project 202 A, Bollinger Co., to C. P. O'Reilley & Co., Wainwright Bldg., St. Louis, $38,041. Noted Jan. 11.

Missouri—State Hy. Dept. at div. office Neosho, one 30 ft. rein.-con. deck girder, one 80 ft. and two 50 ft. steel truss and four 20 ft. rein.-con. slab spans, 20 ft. roadways, concrete substructures, on road from Neosho to Granby, Federal Aid Project 155,Newton Co., to Concrete Steel Constr. Co., 214-223 West 3rd St., Joplin, $28,114. Noted Jan. 11.

Missouri—State Hy. Dept. at div. office Platte City, one 70 ft. and one 30 ft. rein.-con. arch span-spandrel filled, 20 ft. and 34 ft. roadways respectively, on road from Parkville southeasterly, Federal Aid Project 48B, Platte Co., to T. A. Woods Constr. Co., Smithville, $26,239. Noted Jan. 11.

Calif., Redwood City—See "Miscellaneous."

Ont., Prairie Siding—Kent Co., bridge, to Strauss Bascule Bridge Co., 225 North Michigan Ave., Chicago, Ill. $150,000. Noted Dec. 28.

Dams

PROPOSED WORK

Wis., Brokaw—Wausau Paper Mills Co. making plans 500 ft. rein.-con. dam, 16 ft. head, 11 steel tainter gates, gate hoist and earth fill. $25,000. L. A. De Guere, Wisconsin Rapids, engr.

Mo., Holden—See "Waterworks."

Wash., Walla Walla—D. L. Callierate, Burbank, engr., preparing plans and takes bids in Spring temporary removable wing dam on Snake River at Five Mile, for Snake River Irrigation Dist. $42,000. Noted Jan. 18.

Railways

PROPOSED WORK

Massachusetts — See "Buildings" under Springfield.

New York—Elmira Water, Light & R.R. Co., Elmira, plans double track on South Main St. and Pennsylvania Ave. lines. $25,000.

Pennsylvania—Buffalo & Lake Erie Traction Co. having preliminary plans made for extending car line on State St. to Cooper Rd., Erie and east on Cooper Rd. to Wesleyville, to exceed $150,000. A. Meyers, genl. mgr. in charge.

Excavation, Drainage, Irrigation

PROPOSED WORK

N. C., Winston—Salem-Forsyth Co. D. D. No. 2, takes bids in about 30 days, 14 mi. ditching, floating dredge can be used. $70,000. W. D. Alexander, 207 Monroe Rd., Charlotte, engr.

Wis., Manawa — Waupaca Co. Farm Drainage Bd., making plans 4 mi. open ditch drainage and tile drainage in D. D. 8. $25,000. L. M. Schindler, 721 Clark St., Appleton, engr.

Calif., Alpaugh—Alpaugh Irrigation Dist. plans election to vote on $85,000 bonds, concrete lining main canal and laterals, also other improvements.

BIDS DESIRED

Ia., Muscatine—Feb. 6, by F. W. Johnston, aud. Muscatine Co. for Bd. Supervs. Muscatine Co. for ditch improvements in Sub Dists. 1 and 3 of D. D. 2. C. H. Young, Central States Eng. Co., ch. engr.; adv. this issue.

Minn., Mankato—Feb. 15, by C. L. Kennedy, aud. Blue Earth Co., Judicial Ditch 36, 11,200 lin.ft. open ditch, 155,930 cu.yd. excav., 141,855 lin.ft. 6-34 in. tile, $151,930; Judicial Ditch 40, 31,145 lin.ft. 8-27 in. tile, $27,917; Judicial Ditch 43, 28,950 lin.ft. 8-32 in. tile, $25,578; Judicial Ditch 45, 47,100 lin.ft. 8-30 in. tile, $38,250. P. F. Comstock, Mankato, engr.

Minn., Redwood Falls—March 1, by L. P. Larson, aud. Redwood Co., County Ditch 52, 182,570 lin.ft. 6-36 in. tile. $133,000. B. J. Reynolds, Redwood Falls, engr.

Tex., Houston—Feb. 6, by F. E. Ebersole, Court House, comr. D. D. 4, Harris Co., ditchwork between Strang and La Porte. To exceed $25,000. Howe & Wise, First Natl. Bank, engrs.

Tex., Houston—Houston Port Dist. taking bids and opens same about Feb. 1, dredging ship channel Hunting Bayou to Clinton, 30 ft. C. Crotty, asst. port dir. J. C. McVea, city engr.

Streets and Roads

PROPOSED WORK

Conn., Meriden—Having plans prepared resurfacing North Colony St. and Cooke Ave., asphalt on present concrete. $25,000. C. P. Prann, city engr.

New York—H. S. Sisson, comr. State Hy. Dept., Albany, received no bids Jan. 12, reconstructing 1.5 mi. Repair Constr. 3047 Highway 541 Mayfield-Northville, Part 2, Fulton Co. $48,284. Noted Jan. 4.

Pa., Corry—Plans paving Mott St., and repaving West Washington St. $25,000. Engineer not announced.

Pa., Erie—Takes bids in February or March asphalt pavement on State St. from Cooper Rd. to 41st St. $49,700. F. G. Lynch, city engr.

Pa., Mercer—Mercer Co. plans 1 mi. concrete on Freebles Corners-Stambaugh Ave. Rd. $40,000. F. Graham, Grove City, co. engr.

N. C., Greenville—Pitt Co. plans paving with concrete or some other type of hard surface, 6.4 mi. road from Section House north of House Sta. to Stokes. $180,000. J. B. Harding, Greenville, engr.

Alabama—State Hy. Dept., Montgomery, having plans prepared grading and gravel surfacing 23.649 mi. road from Tuscaloosa Co. line to Reform and Carrolton, Pickens Co. W. S. Keller, state highway engr.

Fla., Bradentown—Manatee Co. election Feb. 6, to vote on $55,000 bonds paving with shell 15 mi. roads on Terra Ceia Island. R. H. Roesch, chn. Bd. Co. Comn.

Fla., Punta Gorda—Plans paving, curbing and guttering, alternate proposals, 1¼ mi. various streets, $25,000; paving with sheet or block asphalt also curbing and guttering 1 mi. Olympia Ave., 13,000 sq.yd. paving, 5,000 lin.ft. concrete curbing and gutter, $25,000. C. M. Price, city mgr.

Fla., Sebring—Highlands Co. plans election to vote on $100,000 bonds grading, clay surfacing, and 5 to 10 mi. fill, on 30 mi. road from De Soto City to Bessenger; $25,000 surfacing with 5 or 6 in. rock 5 mi. road from Sebring via O'Berrys to Hardee Co. line; $200,000 for 23 mi. road from Lake Annie to Kissimmee River, conglomerate to be dredged from canal; $300,000 asphalt surfacing on 6 in. compacted rock base 45 mi. road from Polk to Glades Co. via Avon Park, Sebring, etc. W. C. Peacock, Sebring, engr. Noted Oct. 12.

O., Akron—S. Porter, clk., Summit Co., takes bids in February, grading and paving, 2.64 mi. Vaughn Twinsburg Rd. 111, Sects. B 2 and C, 16 ft., bituminous macadam, $88,000; grading and improving with bituminous macadam, rein.-con. or bituminous concrete 1.31 mi. Granger Ghent Rd. 79, Sect. A-2, 16 ft., $28,162; grading and improving with brick and gravel 1.42 mi. Akron-Northampton Rd. ... Sect. A-1, $52,000; grading and improv... with bituminous concrete 1.07, South ... Main St. Sect. C-1, 18 ft., $47,700; grad... and improving with bituminous mac... from 1.26 mi. Hammonds Corners-Ira 46. ... A-2, 16 ft., $39,500. J. Weaver, Court House, engr.

O., Cleveland — Takes bids in spring grading, draining, curbing ... paving brick or asphalt on concrete, West 48th St. from Memphis to Ardmore ... West 48th and West 49th Sts. from Memphis Ave. to Park Drive, West 71st and West 73rd Sts. from Franklin to Warfield Aves., West 97th St. from Almira to Warford Aves., West 115 and West 116th Sts. from Madison to Locust Aves., Forest Court from East 33rd to East 34th Sts., Frankfort Ave. from West 3rd St. to Public Square, Moore Court from West 23rd to West 24th Sts. $200,000. R. Hoffman, City Hall, engr.

Ind., Portland — Jay Co. plans paving 6,879 ft. Daniel Campbell Rd., 16 ft., 12,231 sq.yd. concrete. $30,583. H. Teeters, Portland, engr.

Ind., Rochester—Fulton Co. plans grading and graveling 14.635 ft. Obe Hainbaugh Rd., 18 ft. $25,000. C. R. Miller, Rochester, engr.

Mich., Detroit — Making plans grading and paving with 3½ in. sheet asphalt on 8 in. concrete, 4,000 sq.yd. Louisiana Ave. from John R St. to Omira Ave., 26 ft. wide, $21,420, 1,800 sq.yd. 52nd St. from Conrad to Michigan Aves., 26 ft., $9,270, 4,400 sq. yd. Robinwood Ave. from Woodward to Charleston Aves., $23,760. J. W. Reid, city engr.

Wis., Beloit—Making preliminary plans paving 3-4 mi. various streets, 30 ft., concrete and asphalt. $100,000-$150,000. G. E. Heebink, City Hall, engr.

Wis., Ladysmith—Rusk Co. appropriated $58,960 for county and state aid road and bridge construction. P. Koehler, comr.

Wis., Madison — Plans paving various streets, 25-30 ft., concrete and asphalt, $50,000-$100,000. H. C. Buser, clk. Engineer not selected.

Wis., Ripon—City Council plans to issue $40,000 bonds to pave Scott, Blossom and West Fond du Lac Sts. from Blackburn to Watson Sts., Blackburn St. from East Fond du Lac to Jackson Sts., also sections of State Trunk Highways lying within city limits.

Ia., Council Bluffs—Pottawattamie Co. plans to improve Pioneer Trail-River to River Rd. and White Pole Rd. $200,000. H. H. Dean, Council Bluffs, engr.

Ia., Des Moines—Plans repairing and replacing many old pavements, and paving several city streets. $400,000. K. C. Kastberg, city engr.

Minn., Hibbing—Plans paving 20 to 30 blocks, $60,000-$90,000. W. Fergolle, city engr.

Kan., Hiawatha—Brown Co. had plans prepared for earth road on 9.788 mi. Pikes Peak Highway, 32 ft. E. C. L. Wagoner, 609 Kemper Bldg., Kansas City, Mo., engr.

Kan., Kinsley—Edwards Co., plans sand clay road on 6.504 mi. Federal Aid Project 15, 18 ft., 25,000 cu.yd. earth excav., 12,000 yd. sand clay, 10,800 lb. reinforcing, 295 ft. 24 in. corrugated pipe. E. B. Johnson, Kinsley, engr.

Neb., York—York Co. plans paving 35 blocks, Dist. 21. Scott & Scott, Lincoln, engrs.

South Dakota—State Hy. Dept., Pierre, takes bids in spring, grading and gravel surfacing 6.25 mi. Federal Aid Project 137, Lake Co. $41,707. F. D. Hudgins, ch. engr.

South Dakota—State Hy. Dept., Pierre, takes bids in spring, grading and gravel surfacing 8.5 mi. Federal Aid Project 136, Hamlin Co., $48,894, 7 mi. Federal Aid Project 133, Miner Co., $34,376, 11.2 mi. Federal Aid Project 126, Kingsbury Co., $80,779, grading 5.8 mi. Federal Aid Project 139, Grant Co., $23,211. F. D. Hudgins, ch. engr.

Tex., Anson—Jones Co. election March 3, to vote on $200,000 bond issue improving roads in Stamford Precinct, incl Stamford-Lueders and Stamford-Anson Rds. J. F. Lindsey, co. judge.

Tex., Bellville—Austin Co. election about Feb. 1, to vote on $100,000 bonds to construct roads, and highway 3C, and bridges. W. I. Hill, co. judge.

Tex., Cameron—Milam Co. election Feb. 13 to vote on $100,000 bond issue grading, raising, levelling, rock base and Uvalde asphalt topping certain streets connecting with out-leading county roads. J. B. Clark, mayor.

Tex., San Antonio—Bexar Co. plans grading, raising, levelling, etc., 7 mi. Project 264 on State Highway 2 from Leon Creek to Artesian Belt Ry., 16 ft. $119,000. R. E. Killmer, co. engr.

Tex., Uvalde—Uvalde Co. plans grading gravel bituminous surfacing, etc., 6 mi.

Streets and Roads (Continued)

various roads, 16 ft. $136,000. M. B. Hodges, co. engr.

Okla., Purcell—Plans paving 40 blocks. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., and Insurance Bldg., Oklahoma City, Okla., engrs.

Ore., Oregon City—Clackamas Co. opens bids about Feb. 15, 22.55 mi. paving, 7 separate contracts, concrete and bitulithic. $300,000. D. T. Meldrum, co. surv.

Calif., Beaumont—Voted $52,000 bonds for paving main streets.

Calif., Hanford—City plans resurfacing various streets in business district. $45,000. B. Duffield, city engr.

Calif., Huntington Beach—City Bd. of Trustees plan election to vote on $300,000 bonds for paving 3 mi. Ocean Blvd., incl. ornamental electric lights.

Calif., Newport Beach—Having plans prepared concrete paving various streets, probably 5 and 8 in. thick. $125,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., San Diego—Common Council plans improving 2nd and A Sts., 119,674 sq.ft. 2 in. asphalt, 1 in. binder course on 4 in. Portland cement concrete, 550 lin.ft. cement curb, 2,264 sq.ft. cement sidewalk, etc. F. A. Rodes, city engr.

Calif., San Diego—Had plans prepared improving 14th St. between C and Imperial Sts., 161,910 sq.ft. 1½ in. asphalt on 4 in. cement concrete base with 1 in. binder course, 269 lin.ft. cement concrete curbs, etc.; 65th St. between Klauber and 69th Sts., 2,773 cu.yd. earth excav., 2,935 cu.yd. earth embankment, 161,361 sq.ft. bituminous macadam. F. A. Rhodes, city engr.

Quebec—Canadian Pacific Ry., Windsor St., Montreal, plans new road from present terminus at Waltham, through Waltham, Chichester and Sheen Twps., across Ottawa River to junction at or near Chalk River, also from point at or near Tuffnell, in or near Twp. 30, Range 10, then northwesterly, northerly and westerly to crossing of North Saskatchewan River in or about Twp. 49, Range 14, then in westerly direction to city of Prince Albert, Sask., then from point at or near Theodore in Twp. 28, Range 6, in general westerly direction to point between Goran and Lanigan on Pheasant Hills Branch of railroad in Saskatechewan. J. M. R. Fairbairn, Montreal, ch. engr.

Ont., Toronto—See "Miscellaneous."

Ont., Windsor—Plans paving work. $100,000. H. W. Wilson, mayor, chn. com.

B. C., Golden—Dept. Pub. Wks., Victoria, having surveys made and takes bids end of February, grading and surfacing 20 mi. Golden-Leanchoit Rd., 16 ft., gravel or macadam. $234,000. P. Phillip, Dept. Pub. Wks., Victoria, engr.

BIDS DESIRED

Connecticut—Jan. 29, by C. J. Bennett, state highway comr., 12 Washington St., Hartford, paving 24,880 lin.ft. Naugatuck-New Haven Rd.; 36,650 lin.ft. Clifton-Killingworth Rd., 20,600 lin.ft. Town St. in East Haddam; 19,470 lin.ft. Shore Rd. in Guilford; 4,000 lin.ft. South Main St. in Manchester; 17,870 lin.ft. River Rd. in Rocky Hill; 14,400 lin.ft. Thomaston-Waterbury Rd. in Thomaston; substructure and approaches for steel truss bridge over Little River on River Rd. and 1 through truss steel superstructure, 154 ft. span, in Cromwell and Middleton; substructure and retaining walls for steel truss bridge over West River on Shore Rd., and 1 steel truss superstructure, 80 ft. span, in Guilford; adv. this issue.

N. J., Salem—Feb. 12, by Road Com. of Bd. Freeholders, Salem Co., Pennsville-Salem Rd., Sects. 2 and 3, in Lower Penns Neck Twp., bituminous macadam. H. B. Keasbey, Salem, co. engr.; adv. this issue.

N. Y., St. George — Jan. 29, by J. A. Lynch, pres, Richmond Boro, Boro Hall, grading and bituminous macadam paving New York Ave. (Kingsley Ave.), from point 280.3 ft. east of east house line of New York Ave. to point 803.77 ft. west of northwest corner of Manor Rd.

Pa., Wilkes-Barre — Feb. 6, by F. H. Gates, city clk., repairing asphalt pavements, $25,000. B. K. Finch, city engr.

Virginia—Feb. 14, by State Hy. Comn., Richmond, 5.2 mi. Project 48-C, Route 14, incl. 3 bridges, 2.8 mi. Project 107, Route 23, 2.75 mi. Project 136-A, Route 17, 0.8 mi. Project 135-C, Route 17, 6.13 mi. Project F-178, Route 1, 7.52 mi. Project 141-B, Route 18, 0.93 mi. Project S-158, Route 1, Bridge over Sandy River. Project 186-B, Route 12, 11.07 mi. Project 192-C, Route 3, bridges over Marland and Christian Creeks, 6 mi. Project F-221, Route 4, 7.86 mi. Project F-246, Route 12-Y, 3.02 mi. Project S-268 A and B, Route 4X, 0.65 mi. Project F-225 B, Route 1, bridge over Spotsylvania Power Co.'s canal, Project S-225 B, Route 1, 1.98 mi. Project S-256, Route 11, alternate bids for surface treated macadam. H. G. Shirley, Richmond, highway comr.; adv. this issue.

Va., Emporia—Jan. 30, by E. E. Eanes, mayor, paving 40,000 sq.yd. various streets, sheet asphalt and bitulithic concrete. R. D. Gladding, Wilson, N. C., engr.

Alabama—Feb. 19, by W. S. Keller, state highway engr., Montgomery, grading and surfacing with gravel or chert 19.97 mi. road from Centerville to Woodstock, Bibb Co. 56 acres clearing, 174,388 cu.yd. common and 13,334 cu.yd. solid rock excav., 63,150 sta.yd. overhaul on excav., 48,000 cu. yd. gravel or chert surfacing, 1,027 cu.yd. concrete, 2,369 lin.ft. 15-24 in. pipe, 71,889 lb. reinforcing, etc.; grading and surfacing with gravel and sand clay, 20.4 mi. road from Mt. Pleasant to Brantley, Crenshaw Co., 11 acres clearing, 187,538 cu.yd. common and 400 cu.yd. solid rock excav., 23,903 sta.yd. overhaul on excav., 4,501 cu. yd. gravel and 65,326 cu.yd. sand clay surfacing, 3,163 lin.ft. 15-24 in. pipe, 562 cu.yd. concrete, 30,924 lb. reinforcing, etc. Noted Oct. 5.

Louisiana—Feb. 6, by State Hy. Comn., Reymond Bldg., Baton Rouge, grading and gravel surfacing 10 mi. Ruston-Melville Highway, Sect. A, Lincoln Parish. Separate bids will be taken for 10,000 cu.yd. washed gravel and 10,000 cu.yd. sand clay gravel, not less than 40% stone. J. M. Fourmy, ch. engr.

Louisiana—Feb. 13, by State Hy. Comn., Reymond Bldg., Baton Rouge, grading and shell surfacing 6½ mi. New Orleans-Mississippi Highway, from Slidell to West Rigolets, Federal Aid Project 106, Sect. A, St. Tammany Parish. J. M. Fourmy, ch. engr.

O., Canton—Feb. 14, by Stark Co., grading and paving, etc., 5.3 mi. Sect. B, I. C. H. 511, Canton-Richville-Navarre Rd., 18 ft., 43,882 cu.yd. earth excav., 56,383 sq.yd. paving, bituminous concrete $251,846, monolithic brick, $264,996, brick-concrete base $270,882; 1.72 mi. Sect. "B" Canton-Sherman-Church Rd., 16 ft., 13,110 cu.yd. unclassified earth excav., 16,655 sq.yd. paving, bituminous macadam $53,990, monolithic brick $77,807, concrete base-brick $83,432. G. L. Sickafoose, co. surv.

O., Cleveland — Jan. 31, at office of Commr. Purchases and Supplies, Room 219 City Hall, paving Ada Ave. N. E., from Linn Drive N. E. to Lakeview Rd. N. E.; Arbor Rd. N. E. from St. Clair Ave. N. E. to Taft Ave. N. E.; Elk Ave. N. E. from East 106th St. to East 107th St.; Gray Ave. N. E. from East 118th St. to Eddy Rd. N. E.; Gruss Ave. N. E. from East 124th St. to Cleveland Rd.; Iroquois Ave. N. E. from Paxton Rd. N. E. to East 128th St.; Oakview Ave. N. E. from Eddy Rd. N. E. to Dundee Drive N. E.; East 117th St. from Sellers Ave. N. E. to 270 ft. southerly; East 124th St. from Locke Ave. N. E. to Taft Ave. N. E.; East 127th St. from Penobscot Ave. N. E. to N. L. C. S. Realty Sub. 4; East 129th St. from Arlington Ave. N. E. to Iroquois Ave. N. E.; East 130th St. from Woodside Ave. N. E. to Iroquois Ave. N. E. R. Hoffman, City Hall, engr. Noted Jan. 11.

Ind., Bloomington—Feb. 6, by Auditor Monroe Co., grading and graveling 3 mi. Gordon Rd., 16 ft., $26,000; 2.9 mi. Byers Rd., 16 ft., $25,500; 3.2 mi. Carmichael Rd., 16 ft., $27,200. H. Chestnut, Bloomington, engr. Noted Jan. 18.

Ind., Decatur—Feb. 6, by Auditor Adams Co., grading and graveling 2.95 mi. Mazelin Rd., 16 ft. $26,000. D. Boch, Decatur, engr. Noted Jan. 18.

Ind., Evansville—Feb. 5, by Auditor Vanderburgh Co., paving 16,400 ft. Green River Rd., 16 ft., crushed stone. $27,706. R. W. Messinger, Evansville, engr. Noted Jan. 18.

Ind., Princeton—Feb. 6, by Auditor Gibson Co., paving crushed stone, 40,112 ft. Graper Rd., $73,893, and 5 mi. H. W. Barrett Rd., $49,174, both 16 ft. H. C. Morrison, Princeton, engr. Noted Jan. 18.

Ind., Versailles—Feb. 5, by Auditor Ripley Co., paving 9.061 ft. John Bland Rd., 16 ft., waterbound macadam. $37,000. O. W. Pegee, Versailles, engr. Noted Jan. 18.

Ind., Salem—Feb. 5, by Auditor Washington Co., grading and graveling 16,253 ft. Little York Rd., 16 ft. $27,106. J. C. Prow, Salem, engr. Noted Jan. 18.

Mich., Hillsdale—March 5, at office W. J. LaBarre, city clk., paving parts of Railroad and Union Sts.; adv. this issue.

Ill., Brookfield—Feb. 7, for concrete paving. $50,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Wis., Fond du Lac—Jan. 31, by Fond du Lac Co. State Road & Bridge Comn., concrete surfacing, etc., 5.1 mi. Ladoga-Brandon-Ripon Rd., incl., 47,890 sq.yd. concrete surfacing, 21,373 cu.yd. earth, 1,000 cu.yd. loose and 100 cu.yd. solid rock excav., 356.6 cu.yd. concrete in culverts and bridges, 146,304 lb. reinforcing, etc.; 5.01 mi. Fond du Lac-Calumetville Rd., 53,000 sq.yd. concrete surfacing, 20,210 cu.yd. earth, 400 cu.yd. loose, 100 cu.yd. solid and 397 cu.yd. borrow excav., 526.3 cu.yd. concrete in culverts and bridges, 4,174 lb. reinforcing, etc. Wisconsin Highway Comn., Madison, engrs.

Ia., Colfax—Feb. 6, grading and paving 22,447 sq.yd. 3 in. vertical fibre brick, 2 in. asphalt, 3 in. tarvia or 2 in. bituminous concrete on 5 in. base, or 6 or 7 in. plain concrete, 16,898 lin.ft. curb and gutter, etc. Cost to exceed $50,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted Dec. 14.

Ia., Red Oak—Feb. 5, grading and paving, etc., various streets, 86,000 sq.yd. vitr. brick, monolithic brick, bituminous concrete or vibrolithic and plain concrete. To exceed $200,000. C. D. Forsbeck, Red Oak, engr.

Minn., Austin—Feb. 6, by C. M. Hubbard, aud. Mower Co., gravel surfacing 17 mi. Job 2301, 22,101 cu.yd. gravel; 10.5 mi. Job 2302, 13,525 cu.yd. gravel; Job 2304, 16,898 cu.yd. gravel; 12 mi. Job 2308, 15,859 cu.yd. gravel. $55,000. A. C. White, Austin, engr. Noted Jan. 18.

Minn., Duluth—Feb. 1, by B. Farrell, city comr., paving 11,200 ft. Commerce and Railroad Sts., 30 ft., concrete on crushed rock. $30,000. E. K. Coe, City Hall, city engr.

Minn., Marshall — March 1, by R. D. Houdersheldt, aud. Lyon Co., grading 26 mi. Job 2301, State Rd. 5, monolithic and portable culverts; grading 2 mi. Job 2206, State Rd. 3, portable culverts; grading 13 mi. Job 2205, State Rd. 6, monolithic and portable culverts; regraveling 9 mi. State Rd. 4. $65,000. C. W. Anderson, Marshall, engr.

Minn., Waseca—Feb. 20, by H. A. Panzram, aud. Waseca Co., 11.6 mi. Job 2301, State Aid Rd. 4, 70,500 cu.yd. excav., 770 lin.ft. corrugated metal culverts, 750 lin.ft. sectional concrete culverts; 4 mi. Job 2302, State Aid Rd. 8, 28,000 cu.yd. excav., 520 ft. corrugated metal culverts, 440 lin.ft. sectional concrete culverts; 4 mi. Job 2303, State Aid Rd. 15, 54,000 cu.yd. excav., 720 lin.ft. corrugated metal culverts, 680 lin.ft. sectional concrete culverts; 7 mi. Job 2304, State Aid Rd. 16, 60,000 cu.yd. excav., 960 lin.ft. corrugated metal culverts, 1,000 lin.ft. sectional concrete culverts; 7 mi. Job 2305, State Aid Rd. 13, 67,200 cu.yd. excav., clearing 1,190 trees, grubbing 1,890 stumps, 150 lin.ft. corrugated metal culverts, 935 lin.ft. concrete culverts. $60,000. D. E. Davison, Waseca, engr.

Neb., Omaha—Jan. 30, by C. F. Bossle, city clk., paving and curbing Dist. 1267, Miami St. from 16th to 19th Sts.; Dist. 1749, Nicholas St. from 20th to 24th Sts.; Dist. 1803, 50th St. from north line of Nicholas St. to north line Western Ave.; Dist. 1921, 55th St. from south line Harney to Howard Sts.; Dist. 1927, 51st St. from Western Ave. to Hamilton St.; Dist. 2001, 23rd St. from Sprague to Sahler Sts.; Dist. 2019, Boyd St. from 33rd to 36th Sts.; Dist. 2042, 50th Ave. from Nicholas to Hamilton Sts.; Dist. 2053, 46th St. from Cuming to Hamilton Sts.; Dist. 2117, Podick Ave. from 20th to 36th Sts.; Dist. 2122, Franklin St., from 33rd to 36th Sts.; Dist. 2151, 32nd St. from Decatur to Parker Sts.; Dist. 2153, 21st St. from Ames Ave. to point 297 ft. north of Ames Ave.; Dist. 2197, Seward St. from 38th St. to J. A. Creighton Blvd.; Dist. 2209, 50th St. from Howard to Jackson St., Jackson St. from 55th St. to east line Edgewood Addition, Emile and Jones from 56th St. to east line Edgewood Addition; Dist. 2210, 31st Ave. from Belvedere Blvd. to Ida St.; Dist. 2219, Pacific St. from 45th to 48th Sts., Pierce, Poppleton and Williams Sts. from 45th to 48th Sts., Woolworth Ave. from 46th to 48th Sts., 46th St. and 46th Ave. from Poppleton to Woolworth Aves.; Dist. 2225, 23rd St. from Pratt to Sprague Sts.; Dist. 2231, 46th Ave. from Pacific St. to Poppleton Ave.; Dist. 2236, Western Ave., Nicholas, Izard and Cuming Sts. from Happy Hollow Blvd. to 56th St., 56th St. from Cumming St. to Western Ave.; Dist. 2239, 22nd St. from Laird to Sprague Sts.; Dist. 2240, Lake St. from 50th to 51st Sts.; Dist. 2244, Western Ave. from 51st to 52nd Sts.; Dist. 2245, Lafayette Ave. from 51st to 52nd Sts.; Dist. 2246, Hamilton St. from 51st to 52nd Sts.; Dist. 2264, 28th Ave. from Fowler to Larimore Aves.; repaving Dist. 1748, Nicholas St. from 16th to 20th Sts.; paving Dist. 1812, Alley between Sherman Ave. and 17th St. from Nicholas St. to Block B Horbachs 1st Addition; Dist. 2181, Alley between 41st and 42nd Sts. from Harney St. to Dewey Ave.; Dist. 2232, Alley between Pacific and Pierce Sts. from 45th to 46th Aves.; Dist. 2233, Alley between Poppleton Ave. and William St., from 45th to 46th Sts.; resurfacing Dist. 2260, Maple St. from point 403 ft. of 62nd to 66th Sts.; Dist. 2262, Bristol St. from 24th to 30th Sts.; Dist. 2293, Spencer St. from 16th to 24th Sts.; Dist. 2295, Lake St. from 14th to 16th Sts.; Dist. 2296, 30th St. from south line

Streets and Roads (Continued)

of Bristol St. to Ames Ave. Bids taken on vitr. brick, wood block, asphalt, concrete and bituminous concrete. H. Beal, city engr.

Missouri—Feb. 2, by State Hy. Dept., Jefferson City, grading 3.379 mi. road west of Odessa, 34 ft., State Project Route 2, Sect. 8, Lafayette Co., 54,572 cu.yd. earth and 2,768 cu.yd. rock excav., 464 cu.yd. concrete, etc.; 4.794 mi. road from Carthage east, 34 ft., State Project Route 14, Sect. 3, Jasper Co., 31,500 cu.yd. earth excav., 349 cu.yd. concrete, etc.; 2.897 mi. road from Jasper Co. Line east, 34 ft., State Project Route 14, Sect. 8, Lawrence Co., 30,500 cu.yd. earth excav., 130 cu.yd. concrete, etc.; 4.938 mi. road on Jasper Co. line east, 34 ft., State Project Route 14, Sect. 7, Lawrence Co., 46,175 cu.yd. earth excav., 240 cu.yd. concrete, etc.; 4.986 mi. road on Jasper Co. line east, 34 ft., State Project Route 14, Sect. 6, Lawrence Co., 38,000 cu. yd. excav., 225 cu.yd. concrete, etc.; 4.962 mi. road Jasper Co. line east, 34 ft., State Project Route 14, Sect. 5, Lawrence Co., 31,665 cu.yd. excav., 257 cu.yd. concrete, etc.; 3.5 mi. road from Edina to Memphis, 30 ft., State Project Route 15, Sect. 11, Knox Co., 50,200 cu.yd. excav., 199 cu.yd. concrete, etc.; 3.5 mi. road from Stanberry to Albany, 34 ft., State Project Route 4, Sect. 8, Gentry Co., 50,000 cu.yd. excav., 370 cu.yd. concrete, etc.; 2.548 mi. road from Mound City to Rockport, 30 ft., State Project Route 1, Sect. 14, Holt Co., 19,565 cu.yd. excav., 173 cu.yd. concrete, 150 ft. creosoted wood trestle; 4.452 mi. road from Mound City to Rockport, 30 ft., State Project Route 1, Sect. 13, Holt Co., 40,971 cu.yd. excav., 399 cu.yd. concrete, etc.; 2.5 mi. road east and west of Zebra, 24 ft., State Project Route 15, Sect. 53, Camden Co., 10,000 cu. yd. earth and 2,000 cu.yd. rock excav.; 4.318 mi. road from Brunswick to Keytesville, 30 ft., State Project Route 10, Sect. 24, Chariton Co., 41,600 cu.yd. excav., 61 cu.yd. concrete, etc.; 4.318 mi. road from Brunswick east, 30 ft., State Project Route 10, Sect. 25, Chariton Co., 17,025 cu.yd. excav., 60 cu.yd. concrete, etc.; 1.259 mi. road from Waynesville southeast, 34 ft., State Project Route 14, Sect. 42, Pulaski Co., 32,448 cu.yd. earth and 92 cu.yd. rock excav., 138 cu.yd. concrete, etc.; 3 mi. road from Marble Hill south, 24 ft., State Project Route 31, Sect. 24, Bollinger Co., 20,000 cu.yd. excav., etc.; 2.789 mi. road on Laclede Co. line east, 34 ft., State Project Route 14, Sect. 40, Pulaski Co., 17,180 cu. yd. earth and 1,354 cu.yd. rock excav., 28 cu.yd. concrete, etc.; 0.25 mi. road from Ava west, 24 ft., State Project Route 40, Sect. 20, Douglas Co., 4,000 cu.yd. excav., etc.; 3.03 mi. road from Laclede Co. line east, 34 ft., State Project Route 14, Sect. 39, Pulaski Co., 16,356 cu.yd. earth and 268 cu.yd. rock excav., 29 cu.yd. concrete, etc.; 0.665 mi. road from Steele south, 34 ft., State Project Route 9, Sect. 149, Pemiscot Co., 2,631 cu.yd. excav., 15 cu.yd. concrete, etc.; 3.562 mi. road from Hayti south, 34 ft., State Project Route 9, Sect. 147, Pemiscot Co., 35,722 cu.yd. excav., 70 cu.yd. concrete, etc.; 4.702 mi. road east of Silvia, 30 ft., State Project Route 34, Sect. 13, Wayne Co., 41,200 cu.yd. earth and 13,215 cu.yd. gravel, etc.; 3.238 mi. road from Hayti south, 34 ft., State Project Route 9, Sect. 146, Pemiscot Co., 36,440 cu.yd. earth and 62 cu.yd. concrete, etc.; 0.568 mi. road northwest of Lebanon, 34 ft., State Project Route 14, Sect. 36, Laclede Co., 10,932 cu. yd. excav., 31 cu.yd. concrete, etc.; grading and surfacing 3.7 mi. road from Rolla, southward, 12 ft., State Project Route 7, Sect. 65, Phelps Co., 12,376 cu.yd. earth and 2,331 cu.yd. rock excav., 46 cu.yd. concrete, 6,971 cu.yd. gravel, etc.; 3.833 mi. road from Forsyth south, 12 ft., State Project Route 78, Sect. 3, Taney Co., 2,742 cu. yd. earth and 20 cu.yd. rock excav., 8,152 cu.yd. gravel, etc.; 3.238 mi. road from Stone Co. line south, 12 ft., State Project Route 3, Sect. 113, Taney Co., 23,531 cu.yd. excav., 6,292 cu.yd. gravel, etc.; 3.087 mi. road from Stone Co. line south, 12 ft., State Project Route 3, Sect. 112, Taney Co., 20,352 cu.yd. excav., 5,922 cu.yd. gravel, etc.; 0.274 mi. road from Troy to Wentzville, 16 ft., State Project Route 9, Sect. 52, Lincoln Co., 10,981 cu.yd. excav., 755 sq.yd. gravel, etc.; 3.428 mi. road south of Diehlstadt, 16 ft., State Project Route 55, Sect. 6, Scott Co., 23,048 cu.yd. excav., 44 cu.yd. concrete, etc.; 0.928 mi. road north of Diehlstadt, 16 ft., State Project Route 55, Sect. 4, Scott Co., 4,300 cu.yd. excav., 2,200 cu.yd. gravel, etc.; 5 mi. road south of Steelville, 16 ft., State Project Route 19, Sect. 4, 6,423 cu.yd. earth, 11,930 cu.yd. gravel, etc.; 1.3 mi. road from Hannibal northwest, 18 ft., State Project Route 9, Sect. 26, 7,720 cu.yd. earth and 1,850 cu.yd. rock excav., 11,428 sq.yd. concrete, etc.; 0.786 mi. road from Novinger east, 18 ft., State Project Route 6, Sect. 41, 12,634 cu.yd. excav., 58 cu.yd. concrete, 8,300 sq.yd. concrete pavement, etc.; 4.964 mi. road from Hamilton west, 18 ft., State Project Route 8, Sect. 12, 66,797 cu.yd. concrete in culverts, 52,196 sq. yd. concrete or asphaltic concrete, etc.; 4.904 mi. road from Hamilton west, 18 ft., State Project Route 8, Sect. 12, 70,443 cu. yd. excav., 356 cu.yd. concrete, 51,560 sq. yd. asphaltic concrete, etc.; 2.244 mi. road west of Manchester, 18 ft., State Project Route 14, Sect. 77, St. Louis Co., 58,889 cu. yd. excav., 548 cu.yd. concrete, 52,020 sq.yd. asphaltic concrete, etc.; 4.943 mi. road west of Manchester, 18 ft., State Project Route 14, Sect. 76, St. Louis Co., 58,889 cu. yd. excav., 548 cu.yd. concrete, 52,020 sq. yd. asphaltic concrete, etc.; 4.974 mi. road Kansas City east on Sinabae Rd., 18 ft., State Project Route 2, Sect. 6, 77,015 cu.yd. excav., 630 cu.yd. concrete, 52,182 sq.yd. asphaltic concrete, etc.; 0.568 mi. road from Moberly east, 18 ft., State Project Route 10, Sect. 37, Randolph Co., 7,527 cu. yd. earth excav., 121 cu.yd. concrete, 6,000 sq.yd. brick pavement, etc.; 4.942 mi. road from Kansas City east on Sinabae Rd., 18 ft., State Project Route 2, Sect. 5, Jackson Co., 24,053 cu.yd. earth, 184 cu.yd. concrete, 52,190 sq.yd. asphaltic concrete, etc.; 4.345 mi. road from Kansas City east on Sinabae Rd., 18 ft., State Project Route 2, Sect. 4, Jackson Co., 82,525 cu.yd. earth and 5,716 cu.yd. rock excav., 45,290 sq.yd. asphaltic concrete, etc.; 4.109 mi. road from Kansas City east on Sinabae Rd., 18 ft., State Project Route 2, Sect. 3, Jackson Co., 29,016 cu.yd. excav., 399 cu.yd. concrete, 42,408 sq.yd. concrete, brick, rock asphalt or asphalt, etc. B. H. Piepmeier, state highway engr. Noted Jan. 18.

Ark., Camden—Feb. 14, by Bd. Comrs. Paving Dist. 2, c/o D. V. Snow, secy., paving, concrete curbing, grading and laying storm sewers in various streets. E. F. Peterson, Texarkana, engr. Adv. this issue.

Tex., Henderson—Feb. 14, by J. T. Watson, judge Rusk Co., gravel and clay surfacing 14.93 mi. State Highway 26, 12 ft., 9,516 cu.yd. clay and 26,261 cu.yd. gravel to be furnished by county. $49,035. D. L. Hogan, resident engr.

Tex., Highland Park—Taking bids paving various streets, $75,000 bonds voted; paving roads, walks and bridges in Davis Park, $25,000 bonds voted. Meyers & Noyes, Dallas Co. State Bank, Dallas, engrs. Noted Dec. 28.

Oklahoma—Jan. 31, by State Hy. Dept., Oklahoma City, constructing 1.63 mi. road from 1 mi. north of Bristow and extending north, Federal Aid Project 88, Creek Co., 5,197 cu.yd. earth, 100 cu.yd. loose rock and 50 cu.yd. solid rock excav., 5,468 cu.yd. excav. overhaul, 4,558 cu.yd. borrow, 58 cu.yd. concrete, 2,669 lb. reinforcing, 120 sq.yd. creosoted wood blocks, 17,304 sq.yd. 7 in. plain cement concrete pavement, 18 ft. wide, etc.; 17.435 mi. road, Sect. A, from end of Federal Aid Project 96 to bridge over South Canadian River, Federal Aid Project 51 C, Sect. B, from Sect. F-F of Federal Aid Project 18, to bridge over Arkansas River, Federal Aid Project 51 B, and approach on East side, same being Federal Aid Project 97, Muskogee Co., 69,598 cu.yd. earth and 250 cu.yd. solid rock excav., 30,720 cu.yd. borrow, 1,219 cu.yd. concrete, 80,888 lb. reinforcing, 143,500 lb. fabricated steel, 942 lin.ft. 18 in. and 230 lin.ft. 24 in. vitr. clay pipe, 184,073 sq.yd. 9 in. gravel, measured loose, 18 ft. wide, etc.; 2.272 mi. road from Warner to beginning of Federal Aid Project 97 A, same being Federal Aid Project 96, Muskogee Co., 9,260 cu.yd. earth excav., 246 cu.yd. borrow, 120 cu.yd. concrete, 6,085 lb. reinforcing, 23,800 sq.yd. 9 in. gravel, measured loose, 18 ft. wide, etc. M. L. Cunningham, state highway engr.

Okla., Tulsa—Feb. 13, by M. Schultz, city engr., paving and storm sewers in 12 districts, 57,388 sq.yd. asphalt.

N. M., Artesia—See "Sewers."

Calif., San Diego—Feb. 5, by A. H. Wright, city clk., improving Imperial Ave. and 14 other streets, 15,352 cu.yd. earth excav., 8,993 cu.yd. earth embankment, 20,663 lin.ft. cement curb, 101,100 sq.ft. cement sidewalk, 2,115 sq.ft. cement gutters, 432 lin.ft. 12 in., 880 lin.ft. 15 in. and 178 lin.ft. 24 in. pipe, etc. F. A. Rhodes, city engr. Noted Jan. 11.

BIDS RECEIVED

New York—H. S. Sisson, comr. State Hy. Dept., Albany, opened bids Jan. 12, improving (1) 2.11 mi. Highway 1654 Alfred-Alfred Sta., Allegany Co., engrs. est. $71,793 (2) 1.97 mi. Highway 1657 Leon-Markham-Fayton, Part 3, Cattaraugus Co., engrs. est. $80,784 (3) 37.63 mi. Highway 8149 Little Valley-Randolph Parts 1 and 2, Cattaraugus Co., engrs. est. $349,119 (4) 2.75 mi. Highway 8124 Madison-Bridgewater, Part 2, Oneida Co., engrs. est. $103,241, from Dale Eng. Co., Mann Bldg., Utica, (1) $64,455; Ribstein-Holter Co., Inc., Rochester (street address not available) (1) $6[illegible]67; Rossney Contg. Corp., 73 West Eagle St., Buffalo, (1) $70,395; W. C. Pickard, Tonawanda, (2) $74,356; Cold Spring Constr. Co., Ellicott Sq., Buffalo, (2) $75,546; Burd Coney Co., Cresson, Pa., (2) $75,989; (3) $329,362; F. W. Knickenberg, 702 Michigan Ave., Buffalo (3) $318,285; Morgan & Beck, Olean, (3) $323,904; H. W. Bachelder, Herkimer, (4) $102,741. Noted Jan. 4.

Wis., Racine—Racine Co. concrete surfacing, etc., Union Grove—12[illegible] St. Rd., (a) 9,916 cu.yd. earth excav., (b) [illegible],000 sq.yd. 18 ft. concrete surfacing, (c) 37.8 cu.yd. concrete in culverts, (d) 43.2[illegible] cu.yd. concrete in bridges, (e) 89,450 lb. reinforcing from E. G. Russell, Kenosha (street address not available), (a) $0.[illegible], (b) $1.35, (c) $20, (d) $22, (e) $0.04, etc.; L. L. Tisdall, Waterford, (a) $0.80, (b) $1.39, (c) $25, (d) $25, (e) $0.06, etc.; J. Weiher & Son, 878 Franklin Pl., Milwaukee, (a) $0.90, (b) $1.42, (c) $25, (d) $28, (e) $0.05, etc. Noted Jan. 11.

Missouri—State Hy. Dept. at div. office Columbia, opened bids Dec. 15, 6.429 mi. road from Columbia eastward, State Aid Project 20,127, Boone Co., 41,621 cu.yd. earth excav., 3,951 cu.yd. borrow, 180.8 cu.yd. concrete masonry, etc., from F. A. Stoner, Chamois, $23,785; A. G. Brown, Jefferson City, $24,245; Haller & Davis, Boonville, $25,216. Noted Nov. 2.

Missouri—State Hy. Dept., at div. office Harrisonville, 4.11 mi. road from Pleasant Hill eastward, State Aid Project 20,172, Cass Co., from Woodsmall & Woodsmall, Marshall, $23,033; Natl. Constr. Co., Kansas City (street address not available), $22,271; Graham & Dillion, Pleasant Hill, $21,432. Noted Dec. 21.

Missouri—State Hy. Dept. at div. office New London, opened bids Dec. 23, 5.198 mi. road from New London southwestward, 12 and 16 ft. wide, State Aid Project 20,168, Ralls Co., (1) 2,085 cu.yd. additional material for base course (2) 18,773 sq.yd. gravel pavement (3) 24,896 sq.yd. gravel pavement, etc., from F. F. O'Dell, Farmington, (1) $3.30 per cu.yd. (2) $0.28 (3) $0.42 total, $28,776; M. B. Meyer & Son, Perry, (1) $4.25, (2) $0.53, (3) $0.56, $39,029.

Tex., La Grange—Fayette Co. (a) grading and gravel surfacing, (b) rein.-con. drainage structures, on 8.03 mi. Highway 3-A, Federal Aid Project 319, 18 ft., from C. M. Kelly & Co., 503 Barrett Pl., San Antonio, (a and b) $56,414; McClung Constr. Co., Cleburne, (a and b) $58,131; Smith, Starkey & Brown, Stewart Bldg., Houston, (a) $44,644; L. Robertson, Schulenburg, (b) $13,949. Engrs. est. $71,372.

Tex., Tyler—Smith Co. grading, gravel surfacing and 1½ in. bituminous topping 8.8 mi. State Highway 31, Chandler Rd., Federal Aid Project 316, 18 ft., 978 cu.yd. concrete, 94,755 cu.yd. earth excav., 25,000 sq. yd. bituminous macadam, 6,984 cu.yd. gravelly clay, 16,754 cu.yd. shipped gravel, 112,417 lb. reinforcing, from Scarborough, Davis & Jackson, Gaston Bldg., Dallas, $83,534, not incl. materials; Smith Co., c/o D. R. Pendleton, co. judge, Tyler, $120,433; J. Thompson, San Augustine, $128,369. Engrs. est. $132,500.

Tex., Wichita Falls—Wichita Co. grading and gravel surfacing 5 mi. Park-Jonesdale Rd., 16 ft., from L. E. Whitham & Co., Wichita Falls, $47,356; B. O. Gilstrap, Iowa Park, $53,157; C. W. Burgess, 501 Dallas Co. State Bank Bldg., Dallas, $57,758. Engrs. est. $50,000.

Calif., Los Angeles — Improving Crenshaw St. between Washington and Adams Sts., (1) 262,466 ft. grading (2) 103,360 ft. concrete pavement (3) 107,717 ft. warrenite bitulithic pavement (4) 1,384 ft. gravel and oiling (5) 2,359 ft. curb (6) 6,737 ft. gutter (7) 51,389 ft. bituminous macadam surface, etc., from G. R. Curtis, 2440 East 26th St., (1) $0.06 (2) $0.26 (3) $0.309 (4) $0.10 (5) $0.75 (6) $0.33 (7) $0.13; G. H. Oswald, 366 East 58th St., (1) $0.0675 (2) $0.2675 (3) $0.32 (4) $0.12 (5) $0.70 (6) $0.33 (7) $0.135; Warren Constr. Co., Citizens Natl. Bank Bldg., (1) $0.07 (2) $0.27 (3) $0.30 (4) $0.10 (5) $0.70 (6) $0.35 (7) $0.15.

Calif., Merced — Supervs. Merced Co. opened bids Jan. 15, paving 13.4 mi. Los Palos and Volta Rds. from W. Hanrahan, Griffith-McKenzie Bldg., Fresno, $231,000; Valley Paving & Constr. Co., Visalia, $348,500; A. Teichert & Sons, Ochsner Bldg., Sacramento, $351,900. Noted Jan. 4.

Calif., San Diego—Opened bids improving Ivy St. between Balboa Park and India Sts., (1) 76,098 ft. 4 in. cement concrete pavement (2) 63,035 ft. 1½ in. asphaltic concrete on 2½ in. bituminous (3) 314 ft. concrete curb (4) 1,809 ft. sidewalk (5) 147 cu.yd. excav. (6) 1,036 yd. embankment, from California Constr. Co., Granger Bldg., (1) $0.20 (2) $0.174 (3) $0.75 (4) $0.22 (5) $0.80 (6) $0.70; Griffith Co., 20 14th St., (1) $0.23 (2) $0.195 (3) $0.75 (4) $0.22 (5) $1.60 (6) $0.10. Noted Dec. 28.

Streets and Roads (Continued)

CONTRACTS AWARDED

New York—H. S. Sisson, comr. State Hy. Dept., Albany, improving 2.89 mi. Highway 5689 Meyers-King Ferry, Cayuga and Tompkins Counties also 5.22 mi. Highway 8147 Hammondsport-Branchport, Part 2, Steuben Co., to Burd Constr. Co., Cresson, Pa., $95,711 and $250,155 respectively, engrs. est. $104,774 and $281,545 respectively; 0.41 mi. Highway 5688 Bristol Center-Bloomfield, Part 1-B, Ontario Co., to W. M. Bronk, Hudson Falls, $20,056, engrs. est. $20,161; 4.89 mi.Highways 8148 and 1644 Johnsonville-Buskirk, Parts 1 and 2, Rensselaer Co., to S. B. Van Wagenen, Inc., Rondout, $167,512, engrs. est. $172,329; 3.69 mi. Highway 1660 Mt. Ivy-Haverstraw, Rockland Co., to Colonial Contg. Co., Carlstadt, N. J., $146,993, engrs. est. $159,682; 5.51 mi. Highway 602 Bearsville-Willow, Ulster Co., to M. C. Tryon, Herkimer (street address not available) $169,537, engrs. est. $183,395; reconstructing 2.42 mi. Repair Contr. 3043 Highway 477, Valley Falls-Johnsonvill, Rensselaer Co., to Belmar Contg. Co., Inc., Troy (street address not available) $79,324, engrs. est. $80,502. Noted Jan. 4.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, improving Bay Parkway from 59th to 78th Sts., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $112,224. Noted Jan. 11.

Pennsylvania—State Hy. Dept., Harrisburg, 6,094 ft. Application 2255, Hempfield Twp. and Greenville Boro., 16 ft., Mercer Co., 10,916 sy.yd. rein.-con. and 3,994 cu.yd. unclassified excav., and 13,704 ft. Route 82, Sect. B, Hempfield and Sugar Grove Twps., Greenfield Boro., 18 ft., Mercer Co., 27,735 sy.yd. rein.-con., to M. Bennett & Sons, Indiana, $45,656 and $132,400 respectively. Noted Dec. 14.

Pa., Ebensburg—Comrs. Cambria Co. 15,568 ft. brick highway between Cresson and Lilly, to Leechburg Constr. Co., Leechburg, $135,920.

Fla., Brooksville — Hernando Co. constructing 20 mi. road, in Jeny Kilpatrick Special Road & Bridge Dist., to Mickler & McLeod, Stovall Bldg., Tampa, (use clay when found near road), clay in place $1.40 per cu.yd., Ocala limestone in place $3.50, Ocala limestone $4, rolling road $0.05 per sq. yd., reshaping old road $0.05 per sq.yd., laying 24 in. galvanized iron pipe $4, 18 in. $2.25, 12 in. $1.50, concrete $28, excav. $0.35, clearing $60 per acre, etc.

Fla., Bushnell—Sumter Co., paving with asphalt penetration 12 mi. road from Wildwood to Lake Co., 16 ft., to Finley Method Co., Graham Bldg., Jacksonville.

Fla., Gainesville—Bd. Trustees, Special Rd. and Bridge Dist. 1, Alachua Co., (a) scarifying, (b) resurfacing 80,000 sq.yd. Gainesville-Archer Rd., to Finley Method Co., Graham Bldg., Jacksonville, (a) $0.05 per sq.yd., (b) $0.27 per sq.yd. Noted Nov. 23.

Fla., Jacksonville—To J. Y. Wilson, Clark Bldg., paving Clay, Jefferson, Adams and Cleveland Sts., 300 lin.ft. granite curbing, 3,760 lin.ft. concrete gutter, 9,821 sq.yd. vitr. brick, 1,512 sq.yd. concrete base, 7,441 sq.yd. rock base, $33,893, College and Gilmore Sts., 5,701 lin.ft. concrete curbing and gutter, 6,889 sq.yd. asphaltic concrete on concrete base, $25,738, Cedar St., 4,462 lin. ft. granite curbing, 6,351 sq.yd. 2 in. asphaltic concrete on 6 in. concrete, $25,468, Swift, 10th and 26th Sts., 4,458 lin.ft. concrete curbing, 13,089 sq.yd. bituminous macadam on 6 in. concrete, $31,724, Silver and 6th Sts., 5,957 lin.ft. concrete curbing, 11,049 sq.yd. bituminous macadam on 6 in. concrete, $27,270, 9th, Oak, Palmetto and 7th Sts., 6,674 lin.ft. concrete curbing, 11,029 sq.yd. bituminous macadam on 6 in. concrete, $30,260, Eagle, Hershell and King Sts., 5,000 lin.ft. concrete curbing and gutter, 5,261 sq.yd. asphaltic concrete on concrete, $25,572, Park St., from Margaret to King Sts., 7,732 lin.ft. concrete curbing and gutter, 11,864 sq.yd. asphaltic concrete on concrete, $42,371, Park St. from King to McDuff Sts., 5,706 lin.ft. concrete curbing and gutter, 9,004 sq.yd. asphaltic concrete on concrete, $33,771, Hubbard, James, Lafayette and Market Sts., 6,739 lin.ft. concrete curbing, 10,472 sq.yd. bituminous macadam on 6 in. concrete, $28,491, Ashley, Beaver, 18th, 5th and 4th Sts., 5,845 lin.ft. concrete curbing, 9,948 sq.yd. bituminous macadam on 6 in. concrete, $30,608, 8th St., 8,922 lin.ft. granite curbing, 12,560 sq.yd. vitr. brick on rock, $50,518; to F. W. Long & Co., Realty Bldg., St. Johns Ave., 9,106 lin.ft. concrete curbing, 11,624 sq.yd. bituminous macadam on 6 in. lime rock, $32,160; to Adams-Evans & Co., Atlantic Bank Bldg., resurfacing Laura, Asheley, Duval, Julia and Forsythe Sts., 33,574 sq.yd. 1½ in. sheet asphalt, $42,093. Noted Dec. 7.

Fla., Palatka—Comrs. Putnam Co. grading and surfacing 22 mi. Florahome Rd., 16 ft., 12,820 cu.yd. sand clay and 54,000 cu. yd. excav., to H. A. Curry, Bradentown, $62,605. Noted Dec. 21.

Fla., Tampa—Tampa Bay Land Co., 2 mi. shell roads, 12 ft., to Cone Bros., Tampa, $1.64 per cu.yd.

Tennessee—State Hy. Dept., Nashville, grading and surfacing with 8 in. cement concrete 9¼ mi. road from Humbolt to Trenton, Gibson Co., 18 ft., to Givens, Hobbs & Co., Marten, $302,870; bridges over 20 ft. span, on above project, to Little & Dean, Paris, $9,980.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 2.52 mi. Sect. A and B Solon, Willoughby and Chagrin Falls-Cuyahoga Falls Rd., Cuyahoga Co., warrenite bitulithic, to Freshwater Constr. Co., Natl. Bldg., Cleveland, $159,900; 1.49 mi. Sect. I, 2.7 mi. Sect. J, 3.44 mi. Sect. K, 1.7 mi. Sect. L and 1.39 mi. Sect. M Cleveland-Massillon Rd., Summit Co., brick, to T. E. McShaffrey Constr. Co., Forge St., Akron, $75,912, $113,938, $155,762, $72,412 and $72,093 respectively. Noted Jan. 11.

Wis., Wauwatosa—Grading 13,000 cu.yd. Wells St., to Bartel Bros., 957 9th Ave., Milwaukee, $0.44 per cu.yd.; 7,500 cu.yd. on 54th St. to S. P. Croft, 587 49th St., Milwaukee, $0.40. Noted Jan. 4.

Ia., Elkader—Paving 21,650 sq.yd. part brick, part concrete, 11,000 ft. concrete curb, to J. C. McKusick, 3916 Richfield Rd., Minneapolis, Minn., $85,000. Noted Dec. 28.

Ia., Iowa City — Johnson Co. grading 9.073 mi. primary road from North Liberty north, 105,796 cu.yd. excav., to E. W. Kolterman, Omaha, Neb. (street address not available). $25,391. Engrs. est. $25,400. Noted Dec. 21.

South Dakota—State Hy. Dept., Pierre, grading 13.2 mi. Federal Aid Project 65, Yankton Co. incl. 127,610 cu.yd. excav., to Yankton Co., Yankton, $49,735; 5.98 mi. Federal Aid Project 97, Clay Co., to H. Pickus Constr. Co., 2316 3rd St., Sioux City, Ia., $21,469; gravel surfacing 19.95 mi. Federal Aid Project 77, Yankton Co., to Tobin & Maloney, Madison, $30,137. Noted Dec. 28 and Jan. 18.

Missouri—State Hy. Dept. at div. office Cassville, 4.571 mi. road from Cassville northward, 16 ft., Federal Aid Project 151, Barry Co., to Allhands & Davis, 705 Frisco Bldg., Joplin, $25,532. Noted Jan. 18.

Missouri—State Hy. Dept. at div. office Fredericktown, 6.519 mi. road from Fredericktown westward, 12 ft., Federal Aid Project 203A, Madison Co., to M. E. Gillioz, Monett, $79,739. Noted Jan. 11.

Missouri—State Hy. Dept. at div. office Ironton, 7.197 mi. road from Bruel east and west, 12 ft., Federal Aid Project 193A, Iron Co., also one 100 ft. steel truss, one 50 ft. rein.-con. arch spandrel filled, one 20 ft. rein.-con. slab and one 30 ft. rein.-con. deck girder spans, on above road, to J. P. Sparks, Kirkwood, $60,472 and $19,171 respectively. Noted Dec. 14.

Missouri—State Hy. Dept., Jefferson City road from Gainesville eastward, Federal Aid Project 111C, Ozark Co., 8,230 cu.yd. earth and 2,604 cu.yd. rock excav., 3,460 cu.yd. borrow, etc., to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, $56,693.

Missouri—State Hy. Dept. at div. office Neosho, 4.854 mi. road from Neosho to Granby, 24 ft., Federal Aid Project 155, Newton Co., to Kelley & Underwood, Granby, $24,588. Noted Jan. 11.

Missouri—State Hy. Dept. at div. office Platte City, 4.703 mi. road from Parkville southeastward, 24 ft., Federal Aid Project 48B, Platte Co., to T. A. Woods Constr. Co., Smithville, $54,530. Noted Jan. 11.

Missouri—State Hy. Dept. at div. office Rolla, 3.693 mi. road from Rolla southward, 12 ft., Federal Aid Project 110A, Phelps Co., also one 85 ft. steel truss and one 25 ft. rein.-con. deck girder spans on above road, to M. E. Gillioz, Monett, $33,014 and $13,347 respectively.

Missouri—State Hy. Dept. at div. office Stockton, 2.016 mi. road from Eldorado Springs northward, 16 ft., Federal Aid Project 215, Cedar Co., to Moss & Moss, Nevada, $25,625. Noted Jan. 18.

Tex., Austin—Travis Co. improving 5.6 mi. State Highway 3 A, Garfield Rd., 16 ft., concrete work to Austin Bros. Bridge Co., Coombs St., Dallas, $27,858; grading and graveling to L. F. McMillen, 4213 Avenue D, $22,431. Noted Dec. 21.

Tex., Bonham—Fannin Co. grading and rein.-con. paving 5.66 mi. Highway 5 in Honey Grove Dist., 18 ft., 602 cu.yd. concrete, 28,513 cu.yd. roadway and 1,927 cu. yd. borrow excav., 59,490 sq.yd. concrete pavement, 203,556 lb. reinforcing, to J. C. Field & Co., Denison, $174,630. Engrs. est. $330,000.

Tex., Clarksville—Red River Co. grading, gravel surfacing 9.63 mi. State Highway 5, Job 194C, Federal Aid Project 311, State Aid Project 330, to Cocke & Turner, Marshall, 13.19 acres clearing $20, 13.19 acres grubbing $40, 41,207 cu.yd. earth roadway excav. 23,347 cu.yd. earth borrow excav. $0.15, 15,112 cu.yd. gravel hauled first quarter mile $0.40, 802 cu.yd. gravel hauled 2nd quarter mile $0.07, 782 cu.yd. gravel hauled 3rd quarter mile $0.14, 782 cu.yd. gravel hauled 4th quarter mile $0.21, 782 cu.yd. gravel hauled 5th quarter mi. $0.28, 782 cu.yd. gravel hauled 6th quarter mi. $0.35, 782 cu.yd. gravel hauled 7th quarter mile $0.42, 10,061 cu.yd. gravel hauled 8th quarter mile $0.49, 105,679 cu.yd. gravel hauled additional quarter mile $0.05, etc., total $37,833.

Tex., Ft. Worth—Tarrant Co. grading and gravel surfacing 6½ mi. Mansfield Webb Rd., 14 ft., and 3 mi. Grapevine Coppell Rd., 14 ft., to Tarrant Co., Court House, $30,000 and $25,000 respectively.

Tex., Houston—Paving 8,000 sq.yd. Hathaway Ave. and Baldwin St., 2 in. asphalt top on 6 in. concrete, to Uvalde Rock Asphalt Co., City Natl. Bank Bldg., San Antonio. Engrs. est. $32,000.

Tex., Richmond—Bend Co. grading and surfacing 10.41 mi. State Highway 19, Federal Aid Project 318, to Hayden & Austin, 727 Kress Bldg., Houston, $123,910. Noted Nov. 16.

Tex., Silverton — Briscoe Co. grading 22.57 mi. and gravel and caliche surfacing 4.7 mi. State Highway 5-A, Rd. Dist. 7, to McClung Constr. Co., Cleburne, $98,010; 8,336 cu.yd. caliche and 6,948 cu.yd. gravel surfacing, etc., furnished by county $3,051. Engrs. est. $111,173, incl. 10% for engineering and contingencies. Noted Jan. 18.

Calif., Modesto—Supervs. Stanislaus Co., paving 7 mi. West Side Highway to county line, 5 in. portland cement in center, 7 in. concrete edges, to N. M. Ball, Porterville, $138,912; 3.5 mi. Escalon-Oakdale Rd. between Burnett Station and San Joaquin Co. line, asphaltic concrete, to A. Teichert & Son, Ochsner Bldg., Sacramento, $61,732. Noted Dec. 28.

Industrial Works

PROPOSED WORK

Me., South Portland—Maine Central R.R., Portland, having plans prepared by B. T. Wheeler, engr., c/o owners, 1 and 2 story car repair shop, at terminal, here. $1,000,000.

R. I., Pawtucket — Perry & Whipple, archts. and engrs., Hospital Trust Bldg., Providence, soon lets contract 1 story and high basement, 40 x 90 ft. and 45 x 60 ft. mill addition, brick and timber, plain foundation, Pawtucket Ave., here, for Tubular Woven Fabric Co., Pawtucket Ave. $35,000-$40,000.

N. Y., New York—E. M. H. Wright, c/o J. De Hart, archt. and engr., 1039 Fox St., soon receives bids 1 story, 200 x 260 ft., brick, steel and concrete garage, 56th St. and Ave. A. $50,000.

N. Y., New York—F. L. Smithe Machine Co., 11th Ave. and 21st St, soon takes bids 5 story, 127 x 215 ft., brick, steel and concrete machine shop, plain foundation, 12th Ave. and 44th St. W. M. Cory, 30 Church St., archt. and engr.

Pa., Phila.—F. W. Easby, engr., Crozier Bldg., soon takes bids 3 story and basement and 1 story rein.-con. and brick buildings plain foundations, for plant, 68th and Greenway Aves., for Beswick & Clay Co., 25th and Callowhill Sts. $500,000.

Pa., Phila.—F. W. Easby, engr., Crozier Bldg., soon takes bids 1 story, 200 x 473 ft. rein.-con., brick and steel warehouse, Atlantic and F Sts., for Penn Door & Sash Co., Atlantic and F Sts. $65,000.

Minn., St. Paul—Ford Motor Co., Highland Park, Detroit, Mich., having preliminary sketches made by A. H. Stem, archt., 601 Endicott Bldg., plant compressing several buildings, incl. power house, St. Catherine and Cleveland Aves. $10,000,000.

Tex., Beaumont— See "Miscellaneous" under Wharf.

Tex., Breckenridge—Great Texas Oil & Refinery Co. plans four 2 story buildings, brick and steel, plain foundations, storage capacity 200,000 bbl., daily capacity refinery 5,000 bbl. $1,200,000.

Tex., Corsicana—Amer. Well & Prospecting Co., 301-323 North 7th St., making plans and soon takes bids for foundry. $100,000. J. E. Rittershacker, genl. mgr.

Tex., Houston— D. D. Pittman, archt., Prince Theatre Bldg., takes bids in April, 3 story and basement, ice plant and warehouse, concrete, steel and brick, plain foundation, for Southern Texas Cold-Storage & Warehouse Co., Houston, (street address not available). $1,080,000.

Ont., Ottawa—Standard Bread Co., Ltd., Hillson Ave., takes bids in spring, rein.-con. and brick bakery, Hillson Ave. $150,000. S. Comber, Standley St., Montreal, archt.

Industrial Works (Continued)

BIDS DESIRED

N. Y., Brooklyn—Jan. 31, by R. G. Cory, archt. and engr., 30 Church St., New York, for brick, steel and rein.-con. factory, Lorraine St., here, for Gerstendorfer Bros., 231 East 42nd St., New York. $500,000.

Pa., Ambridge—C. Kristufek, 300 Park Ave., taking bids 1 story, 42 x 70 ft., 30 x 50 ft., 24 x 50 ft. and 24 x 140 ft. plant, 23rd and Cass Aves. $50,000. Private plans.

Pa., New Kensington—New Kensington Ice Co., taking bids 1 story, 40 x 70 ft. brick and steel plant, 2nd Ave. and 7th St. $50,000. Private plans.

Pa., Phila.—C. E. Wunder, archt., 1415 Locust St., taking bids 7 story and basement, 95 x 276 ft. rein.-con. and brick factory, Water, Swanson and South Sts., for Amer. Bag & Paper Co., 2nd and Vine Sts. $600,000.

Pa., Pittsburgh—C. P. Hitchins, archt., Citizens Bank Bldg., taking bids 1 story and basement, 40 x 50 ft. garage and sales building, Bigelow Blvd., for N. S. Auto Parts Co., c/o archt.

Pa., Pittsburgh—Linde Air Products Co., 30 East 42nd St., New York City, taking bids and opens same about Jan. 25, 1 and 2 story, 101 x 161 ft. main building, 1 story, 14 x 20 ft. cylinder building, 1 story, 26 x 52 ft. oil storage building, Westfall St., here. Private plans.

Pa., Pittsburgh—B. H. Prack, archt. and engr., Keystone Bldg., taking bids 5 story and basement, 80 x 300 ft., brick and steel plant, Susquehanna Ave., for Pittsburgh Meter Co., East Pittsburgh.

Pa., Pittsburgh—B. H. Prack, archt. and engr., Keystone Bldg., will build 1 story and mezzanine, 80 x 200 ft. brick factory, Fulton and Page Sts., for B. P. Tracey, 901 Pennsylvania Ave. $50,000. Work will be done by separate contracts.

Pa., Reading—Ballinger & Co., archts., 12th and Chestnut St., Phila., taking bids 7 story and basement, 80 x 250 ft. rein.-con. and brick factory, for Reading Hardware Co., 6th St., $250,000.

W. Va., Charleston—Kanawha Mfg. Co., receiving bids 1 and 2 story, manufacturing plant, Ruffner Ave. Warne, Tucker & Patterson, Charleston, archts.

O., Cleveland — Feb. 15, by Clover Meadow Creamery Co., c/o J. S. Kofron, mgr., 1823 East 55th St., 1 story, 80 x 92 ft. brick and steel garage, East 57th St. and Belvidere Ave. $40,000. Private plans.

O., Cleveland—W. Rosensweig, Society for Savings Bldg., taking bids 1 story, 88 x 100 ft., brick and steel garage, 3834 Prospect Ave. $40,000. A. F. Janowitz, Permanent Bldg., archt.

Ill., Chicago—D. S. Klafter, archt., 64 West Randolph St., receiving bids 1 story, 125 x 150 ft., rein.-con., brick and steel garage, Lawrence and North Kentucky Sts., for B. Schwartz, c/o architect. $50,000.

Ill., Chicago — P. Foote, 7900 Stony Island Ave., receiving bids 1 story, 50 x 125 ft., rein.-con., brick and steel, salesroom and garage, Stony Island Ave. and 79th St. $40,000. Kocher & Larson, 6250 South Halsted St., archts.

Ill., Chicago—C. O. Kuehne, archt., 1572 North Halsted St., receiving bids 1 story, 100 x 125 ft., factory addition, brick and timber, 869 Weed St., for A. Hausske & Co. $45,000.

Wis., Ft. Atkinson—Jan. 30, by Ft. Atkinson Canning Co., 3 story and basement, 50 x 135 ft., main building, 1 story and basement, 42 x 150 ft. warehouse, 1 story 50 x 50 ft. cooking room, 1 story 30 x 40 ft. power house, all rein.-con. and brick, 1 story 50 x 84 ft. corn husking and vinery, brick and timber. $150,000. McMeans & Tripp, Majestic Bldg., Indianapolis, Ind., engrs.

Wis., Milwaukee—Berthelet Pipe & Supply Co., 4th and Montana Aves., taking bids and opens same about Jan. 30, 1 story, 68 x 120 ft., concrete warehouse, plain foundation, Montana Ave. $40,000. Private plans.

Wis., Oshkosh—Badger Lumber & Mfg. Co., Marion and Jay Sts., c/o E. E. Meelens, mgr., taking bids 1 story, 168 x 300 ft., brick, rein.-con., factory. $50,000. Private plans.

Wis., Port Edwards—Nekoosa-Edwards Paper Co. taking bids and opens same Jan. 30, 2 story and basement, 158 x 188 ft., brick and concrete, paper mill addition, plain foundation. $150,000. E. P. Gleason, c/o owner, engr.

Wis., Sheboygan — Northern Furniture Co., South Water and New Jersey Sts., c/o C. Quimby, secy., taking bids 2 story, 185 x 200 ft., brick, rein.-con. and steel factory, plain foundation. $75,000. W. C. Weeks, 720 Ontario St., archt. Noted Jan. 11.

Neb., Omaha—See "Buildings."

Calif., Los Angeles—J. and D. Parkinson, archts., Title Insurance Bldg., receiving bids 2 story, rein.-con. and brick, auto assembling and plant addition, Santa Fe Ave. and East 17th St., for Ford Motor Car Co.

Calif., San Francisco — O'Brien Bros., archts., 240 Montgomery St., receiving bids 2 story, 120 x 192 ft., rein.-con. garage, Fell and Gough Sts., for L. R. Lurie Co., Mills Bldg. $100,000 or more. Pacific Telephone & Telegraph Co., 222 Grant Ave. lessees. Noted Jan. 4.

CONTRACTS AWARDED

R. I., Shannock—Columbia Narrow Fabric Co., 1 story, 60 x 180 ft. weave shed, brick and timber, plain foundation, to Eastern Constr. Co., 660 Winter St., Woonsocket. Archts. est. $45,000.

Conn., New Haven — H. M. Hodges & Bro., 290 York St., 5 story, 40 x 60 ft. warehouse, brick and timber, plain foundation, York St., to S. C. Russell, 185 Church St. Archts. est. $40,000. Noted Jan. 11.

N. Y., Tonawanda—Amer. Kardex Co., Main St., will build 2 story, 50 x 160 ft., brick addition to factory, by day labor. L. Eggert, 35 Elmwood Ave., archt. Noted Jan. 4.

N. J., Camden—Victor Talking Machine Co., Front and Cooper Sts., 2 story, 90 x 230 ft. addition to existing building, and new 8 story, 70 x 435 ft. manufacturing plant, rein.-con., brick and steel, plain foundation, to Stone & Webster, 120 Bway., New York City. Archts. est. $1,300,000.

Pa., Pittsburgh—J. M. McCollum, archt., Berger Bldg., 3 story, 23 x 50 ft. addition to plant, 2nd Ave. and Grant St., to Miller Constr. Co., Empire Bldg., for Smith Bros. Co. Inc., 409 Grant St. Archts. est. $70,000. Noted Dec. 21.

N. C., Morganton—Drexell Furniture Co., 2 story, 75 x 200 ft., furniture factory addition, mill construction, to Elliott Bldg. Co., Hickory. $50,000.

Tenn., Nashville — Phillips & Butteroff Mfg. Co., 3rd Ave. N., 3 story, concrete and steel warehouse, to Gould Constr. Co., Independent Life Bldg., $70,000. Noted Dec. 7.

Ind., Sullivan — Vigo Mining Co., Ross Dispensary Bldg., Terre Haute, will build 1 story, 50 x 80 ft. power plant, brick, near here, by day labor. $75,000. Shourds-Stoner Co., Tribune Bldg., Terre Haute, archts. Noted Oct. 19, under Terre Haute.

Ill., Chicago—Garfield Sanitary Felt Co., 1132-36 North Cherry St., 2 story, 80 x 140 ft. factory, brick and timber, to R. Starke & Son, 5205 South Sangamon St. Archts. est. $50,000.

Wis., Milwaukee—J. Wilging & Co., 1612 Teutonia Ave., 3 story and part basement, 60 x 120 ft., woodworking plant, brick and timber, plain foundation, 30th St., to P. Hirt, 1717 Vliet St. Archts. est. $30,000. Noted Nov. 2.

Wis., Random Lake—Krier Preserving Co., Belgium, 2 story and basement, 50 x 240 ft. and 1 story, 60 x 100 ft. canning plant, brick and timber, here, to West Bend Constr. Co., West Bend. Archts. est. $100,000.

Okla., Harrah—Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, will build 22,500 hp. power plant with steam turbine, generating units and 150 mi. high tension transmission lines to connect present system, here, by day labor. $3,000,000. Byllesby Eng. & Management Corp., 208 South La Salle St., Chicago, Ill., engrs.

Calif., San Francisco—Paige Co. of Northern California, 1665 Van Ness Ave., steel and concrete addition to garage and salesroom, Van Ness Ave. and Sacramento St., to Barrett & Hilp, Sharon Bldg., $60,000.

Calif., San Francisco—Stevenson Garage, Inc., c/o A. S. Bugbee, archt., 26 Montgomery St., 2 story and basement, rein.-con. garage and service station, Stevenson St., to Cahill Bros., 110 Sutter St., $50,000. Noted Dec. 28.

Ont., Toronto — Howard Furnace Co., 881 Yonge St., 2 story, 40 x 100 ft., brick and steel factory, concrete foundation, to E. J. Elliott, 279 Main St.; structural steel, to Hepburn & Discher. Van Horne Ave. Archts. total est. $50,000.

Buildings

PROPOSED WORK

Mass., Boston — Theatre and Hotel — Olympia Theatres Inc., 142 Berkeley St., having plans prepared by G. N. Meserve, archt., 200 Devonshire St., and takes bids in 30 to 60 days, 12 story, 200 x 300 ft. with 275 ft. tower, concrete, steel, brick and stone, Tremont, Hollis, Dillaway and Dore Sts. $8,500,000.

Mass., Springfield—Station—Boston & Albany R.R., South Station, Boston, having plans prepared by M. B. Freeman, ch. engr., South Station, Boston, 2 story, 150 x 300 ft. passenger station, baggage building, mail distributing building, and relocation of tracks in station, Lyman St., here. $4,000,000.

N. Y., Cortland—High School Bd. Educ. soon takes bids brick, steel and stone addition to high school, plain foundation. $400,000. G. W. Conable, 45 West 34th St., New York City, archt. and engr. Noted May 11.

N. Y., Ithaca—Bank and Office—Ithaca Savings Bank soon lets contract 5 story and mezzanine, 80 x 106 ft., brick, steel and stone, plain foundation, North Tioga and East Senaca Sts. $350,000. Gibb & Waltz, 108 North Tioga St., archts. and engrs. Noted Nov. 2.

N. Y., New York—Armory—Armory Bd., City Hall, rejected bids opened Nov. 27, reconstructing Squadron A, 95th St. Noted Dec. 7.

N. Y., New York—Business—Columbia University, 116th St. and Bway., soon lets contract 5 story, brick, steel and stone, plain foundation, 116th St. McKim, Mead & White, 101 Park Ave., archts. and engrs.

N. Y., New York—Gymnasium—Fordham University having plans prepared by E. G. Perrott, archt., Boyerton Bldg., Phila., Pa., 2 story, cut stone, gymnasium and pool, on campus. $200,000.

N. Y., New York—Hotel—Libbys Hotel & Bath Corp., 126 Delancey St., having plans prepared by Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., 15 story, brick, steel and stone, plain foundation, Delancey and Chrystie Sts. $2,600,000.

Pa., Phila.—Apartment—Lincoln Drive Apt. Assn., c/o L. H. Cahan, Walnut and Broad Sts., soon takes bids 14 story and basement, 52 x 208 ft. with 44 x 56 ft. and 52 x 300 ft. wings, rein.-con., brick and steel, plain foundation, Lincoln Dr. and Johnson St. $2,500,000. Kennedy & Johnson, Harrison Bldg., archts.

Pa., Phila.—Office—Presbyterian Ministers Fund, c/o M. C. Liggott, Commonwealth Bldg., soon takes bids 4 story and basement, 44 x 145 ft. stone, 1805-07 Walnut St. $150,000. P. A. Davis, 1716 Sansom St., archt.

Pa., St. Marys—Memorial—Chamber of Commerce having plans prepared by Howard & Hatcher, archts., Dubois, 2 story and basement, brick. $400,000.

Va., Richmond—Apartment—Washington Bldg. Corp., c/o Landen & Phillips, archts., Amer. Natl. Bank Bldg., soon lets contract 3 story, 46 x 118 x 237 ft., Maplewood and Rosewood Sts. $300,000.

Va., Richmond—Bank and Office—Clinton & Russell, engrs. and archts., 100 Maiden Lane, New York City, soon let contract 7 story, brick, steel and stone, Broad St., here, for Life Insurance Co. of Virginia, 10th and Capitol Sts.

W. Va., Huntington—Office—W. Lewis, 817 4th Ave., plans 9 story, 9th St. $160,000. Architect not selected.

W. Va., Morgantown—Store and Office—F. Cox, Chadwick Bldg., having plans prepared by J. H. Allen, archt., Chadwick Bldg., 6 story and basement, 83'x 104 ft., brick, stone and steel. $200,000.

W. Va., Wheeling—Cathedral—Catholic Diocese, c/o J. J. Swint, bishop, having plans prepared by E. J. Weber, archt., 5418 Stanton St., Pittsburgh, Pa., 1 story and basement. $500,000.

W. Va., White Sulphur Springs—Hotel—Lincoln Hotel Corp., c/o C. D. McLane, archt., 127 North Dearborn St., Chicago, having plans prepared 8 story and basement, 125 x 135 ft., rein.-con., brick and steel. $500,000.

N. C., Kinston—Schools—City voted $300,000 bonds for new schools. Noted Nov. 16.

Ga., Atlanta—Office—W. B. Wood, Archt. and engr., 816 Commonwealth Ave., N. W., Wash., D. C., soon lets contract 10 story, brick, steel and stone, plain foundation, for Glenn Estate, c/o architect. $1,000,000.

Fla., Orlando—Schools—Voted $150,000 bonds for schools. F. H. Tremble, Orlando, archt.

Ala., Birmingham—Office—Birmingham Chamber of Commerce having plans prepared by Martin & Miller, archts., Birmingham (street address not available), 4 story, 100 x 140 ft., rein.-con., 19th St. and 6th Ave. N. $177,000.

Ala., Birmingham—Store—Burger Dry Goods Co., 2013 2nd Ave. N., plans 7 story, 140 x 150 ft., 4th and 20th Sts. $750,000-$1,000,000. Architect not selected.

Miss., Meridian—Mosque-Hamasa Temple, takes bids about Feb. 14, 125 x 185 ft., steel and brick, 8th St. and 24th Ave. $150,000. E. Weil, Whitney Annex, New Orleans, La., archt.

Tenn., Chattanooga — Nurses Home — Erlanger Hospital, 4th St., plans 4 story, rein.

Buildings (Continued)

con. and brick, to join hospital. $200,000 bond issue proposed. C. M. Preston, pres. hospital board.

Tenn., Chattanooga — Office — Provident Life & Accident Insurance Co., Broad St., plans 8-10 story, 120 ft. front, rein.-con. and steel, Broad St. $300,000. R. J. Maclellan, pres. Architect not selected.

Ky., Louisville — College — Sisters of Nazareth plan college, Bardstown Rd. and Tyler Lane. $200,000. Architect not selected.

O., Cleveland—Apartment—M. Margolin, 548 East 112th St., having plans prepared by M. Weis, archt., 617 Union Bldg., 3 story and basement, brick and timber, 1944 East 75th St. $170,000.

O., Girard—High School—Bd. Educ. plans new brick high school. $150,000. Architect not selected.

O., Lakewood (Cleveland P. O.)—Apartment—J. T. Fritsche, 552 Leader-News Bldg., had plans prepared 4 story and basement, 96 x 120 ft., brick and timber, 1222 Clifton Blvd. $200,000. Private plans.

O., Oxford—Library—Trustees Miami University rejected bids opened Jan. 15, 2 story and basement, 72 x 100 ft., brick and concrete, campus. Will readvertise. F. L. Packard, New Hayden Bldg., Columbus, archt. Noted Jan. 4.

O., Youngstown — Church — St. Lukes Lutheran Church, c/o W. J. Kratz, pastor, 911 Oak Hill Ave., takes bids about April 1, 81 x 166 ft., Oak Hill Ave. $150,000. R. Zenk, Youngstown (street address not available), archt.

Ind., Ft. Wayne—Office—Wayne Pharmacial, 200 West Berry St., having plans prepared by G. L. Ohmart Co., archts. and engrs., 216-19 Utility Bldg., 5 story, 60 x 150 ft. rein.-con., brick and stone, Pennsylvania and Erving Sts. $250,000. Noted Sept. 7.

Ind., Hammond—Bank and Office—First Natl. Bank plans 8 story and basement, brick, Hohman St. $500,000. Architect not selected.

Ind., South Bend—Store and Apartment—Elliott & Elliott, 621 J. M. S. Bldg., plans 2 story and basement, 98 x 143 ft., rein.-con. and brick, Lafayette St. $150,000. Private plans.

Mich., Detroit—Hospital—Womans Hospital & Infants Home, Forest Ave. and Beaubien St., having plans completed by A. Kahn, archt., 1000 Marquette Bldg., 10 story, rein.-con., brick and steel, Forest Ave. and Brush St. $1,000,000.

Mich., Detroit — Hotel — J. P. Jogerst, archt., 1921 Ford Bldg., preparing plans 12 story and basement, 90 x 95 ft. rein.-con., brick and steel, plain foundation, $800,000. Owner's name withheld.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., having plans prepared by Malcomson, Higginbotham & Palmer, archts., 405 Moffat Bldg., 2 story and basement, 126 x 155 ft., rein.-con., brick and steel, plain foundation, Stanton and McGraw Aves. $275,000.

Mich., Dowagiac — High School — Bd. Educ. having plans prepared by Perkins, Fellows & Hamilton, archts., 814 Tower Court, Chicago, 4 story, 30 room, rein.-con., brick and stone, plain foundation, Parsonage St. Election in spring to vote on $300,000 bonds.

Mich., Owosso—Temple—B. P. O. E. having plans prepared by Verner, Wilhelm & Molby, archts., 602 Book Bldg., Detroit, 3 story and basement, 89 x 124 ft., brick and steel, plain foundation. $175,000.

Mich., Trenton—High School—R. Leroy, archt., Pratt Bldg., Kalamazoo, preparing plans and takes bids latter part of February, 2 story and basement, 155 x 190 ft. rein.-con. and brick, plain foundation, here, for Bd. Educ. $150,000.

Ill., Chicago—Apartment—Olsen & Urbain, archts., 155 North Clark St., preparing plans 3 story, rein.-con., brick and steel, Montrose St. near Western Ave. $150,000. Owner's name withheld.

Ill., Chicago—Apartment—I. M. Sevin, c/o Rissman & Hirschfield, archts., 155 North Clark St., having plans prepared 3 story, 125 x 201 ft., rein.-con., brick and steel, Pratt Blvd. near Clark St. $300,000. D. S. Klafter, 64 West Randolph St., associated archt.

Ill., Chicago—Home—Guardian Angel German Catholic Orphans Society, c/o H. J. Gaul, archt., 111 West Washington St., having plans prepared 3 story, 171 x 201 ft., rein.-con., brick and steel, Ridge and Thorne Sts. $250,000.

Ill., Chicago—Hotel—H. Emerman, c/o B. L. Steif, archt., 64 West Randolph St., having plans prepared 10 story, 115 x 130 ft., rein.-con., brick and steel, 914-20 Wilson Ave. $2,000,000. Noted April 6

Ill., Chicago—Hotel—A. Johnson, c/o J. Nyden, archt., 190 North State St., having plans prepared 12 story, Pine Grove and Diversey Blvd. $2,000,000.

Ill., Chicago—Hotel—Palmer House Hotel Co., c/o Holabird & Roche, archts., 104 South Michigan Ave., having plans prepared 23 story, 248 x 254 ft., rein.-con., brick and steel, Monroe St. between State St. and Wabash Ave. $12,000,000.

Ill., Chicago—Office and Hotel—S. Isaacson, c/o R. F. France, archt., 155 North Clark St., having plans prepared 3 story, 115 x 280 ft., rein.-con., brick and steel, Bway. and Barry St. $400,000.

Ill., Chicago—Store and Office—I. M. Mills, c/o D. S. Klafter, archt., 64 West Randolph St., having plans prepared 3 story, 150 x 207 ft., rein.-con., brick and steel, Milwaukee and Crawford Aves., $275,000.

Ill., Chicago — Theatre — Brunhild & Young, c/o Newhouse & Bernham, archts., 4630 Prairie Ave., plans 3 story, 100 x 175 ft., rein.-con., brick and steel, 6906-16 North Clark St. $500,000.

Ill., Chicago—Theatre, Store and Office—Peters & Horwitz, 10 South La Salle St., plans 240 x 490 ft., rein.-con., brick and steel, Robey St. and Belle Plaine Ave. $1,200,000. Architect's name withheld.

Wis., Manitowoc—Hotel—New Williams House, c/o W. Seibel, proprietor, South 8th St., having plans prepared by C. Barkhausen, archt., 79 Wisconsin St., remodeling and addition to hotel, brick and concrete, plain foundation. $150,000.

Wis., Milwaukee—Nurses Home—Milwaukee Hospital, 2,200 Cedar St., having plans prepared by Clas, Shepherd & Clas, archts., 445 Milwaukee St., 3 story and basement, L shaped, 62 x 90 ft., brick and concrete, plan foundation, Cedar St. $150,000.

Wis., Milwaukee—Store—E. Schuster & Co., 12th and Vliet Sts., having plans prepared by Brust & Philipp, archts., 405 Bway., 3 story and basement, 150 x 300 ft., brick and concrete addition, plain foundation, Vliet St. $300,000.

Ia., Cedar Falls—High School—J. G. Ralston, archt., Waterloo, takes bids about Feb. 1, 3 story and basement, 116 x 146 ft., brick and stone, here, for Bd. Educ. $150,000. Noted July 13.

Ia., Des Moines—Schools—March 12, to vote on $2,630,000 bonds for new schools and additions to old ones. G. L. Garton, secy. Bd. Educ.

Ia., Wapello—School—Bd. Educ. having plans prepared by Keffer & Jones, archts., 204 Masonic Temple Bldg., Des Moines, for school, here. $150,000 bonds voted for project. Noted Jan. 4.

Minn., Duluth—City Hall—City Comrs. having plans prepared by German & Jenssen, archts., Exchange Bldg., 4 story and basement, 250 x 300 ft., brick and stone, 1st St. between 4th and 5th Aves. $1,000,000. Noted April 6.

Minn., Minneapolis—Office—Yeates & Son, 520 1st Natl.-Soo Line Bldg., having plans prepared by Long & Thorshov, archts., 1028 Andrus Bldg., 3 story and basement, 90 x 104 ft., rein.-con., brick and tile, Nicollet Ave. and 9th St. $150,000.

Minn., St. Paul—Store and Office—Barrett & Zimmerman, Prior and University Aves., having plans prepared 3 story and basement, 165 x 180 x 230 ft., brick, concrete and tile, Prior and University Aves. $150,000. S. Jacobson, 401 Endicott Bldg., archt.

Neb., Omaha—Store and Office—C. A. and R. C. Cook, of Chicago, c/o George & Co., 902 City Natl. Bank Bldg., plans to rebuild, probably 3 story and basement, 16th to 17th Sts. $1,000,000. Private.

Mo., Clayton—School—John Burroughs Country Day School, c/o L. Egan, 12th and Locust Sts., St. Louis, having plans prepared by Le Beaume & Klein, archts., Chemical Bldg., St. Louis, 3 story, rein.-con. and brick, plain foundation, Price and Denny Rds., here. $500,000.

Mo., Kansas City—Dance Halls—See "Miscellaneous."

Mo., Kansas City—Office—Kansas City Life Insurance Co., Rialto Bldg., plans 3 story and basement, rein.-con., steel and stone, Bway. and Armour Blvd. $500,000. Architect not selected.

Mo., Kansas City—Office—Lumberman Building Co., 412 Scarritt Bldg., having plans prepared by W. S. Ferguson & Co., archts., 1900 Euclid Ave., Cleveland, O., and opens bids about Feb. 15, 10 story and basement, 102 x 115 ft., rein.-con., brick and steel, 24th and Grand Aves. $800,000.

Mo., St. Joseph—Hospital—W. Boschen, archt., Tootle Lacy Bldg., soon lets contract 7 story and basement 120 x 180 ft., rein.-con., brick, steel and stone, for Methodist Hospital Assn. $750,000. Noted Oct. 26.

Mo., University City—Store and Apartment—Limits Realty Co., c/o Weisels Gerhart Realty Co., 8th and Chestnut Sts., St. Louis, plans 5 story, 110 x 200 ft., rein.-con., brick and steel, plain foundation, Delmar Blvd. and Limits Ave., here. $200,000. Architect not selected.

Tex., Dallas—Museum and Art Gallery—Texas Museum Natl. History Assn., c/o E. Sewell, genl. dir., 1322 North Haskell Ave., had plans prepared by Lang & Witchell, archts., Amer. Exch. Natl. Bldg., 2 story (1st unit), Fair Park. $40,000. Ultimate cost $100,000-$200,000.

Tex., Galveston — Bank and Office — Texas Bank & Trust Co., c/o I. H. Kempner, pres., having plans prepared by A. C. Blossom, archt., 680 5th Ave., New York City, and Sanguinet, Staats & Hedrick, associated archts., 1st Natl. Bank Bldg., Ft. Worth, 11 story, 85 x 120 ft. concrete, steel and brick, containing 176 offices, stores, banking room, etc. $800,000.

Tex., Temple—High School—City election soon to vote on $225,000 bond issue for high school. Address J. B. Daniel, c/o Bd. Educ.

Colo., Denver—Schools—Denver School Dist., Commonwealth Bldg., having plans prepared by Fisher & Fisher, archts., U. S. Natl. Bank Bldg., West Side High School $1,500,000; H. W. Edwards, archt., 1172 Stout St., South Side High School, $1,500,000; G. H. Williamson, archt., Majestic Bldg., East Denver High School, adjoining City Park Esplanade, $1,800,000; Merrill, Burnham & Hoyt, archts., Colorado Natl. Bank Bldg., Lake Junior High School, $750,000; W. N. Bowman, archt., Central Savings Bank Bldg., Mitchell Junior High School, $1,000,000; L. E. Varian, archt., Gas & Electric Bldg., addition to University Park School, $100,000; Marean & Norton, archts., Chamber of Commerce Bldg., Globeville School, $44,000; M. S. Fallis, archt., Ideal Bldg., Garden Place School, $175,000; W. Redding & Sons, archts., Colorado Theatre Bldg., annex to Perry School, $100,000; H. J. Manning, archt., Majestic Bldg., Fairmont School, $200,000; E. W. Huntington, archt., 312 17th St., addition to school in Berkley Dist., $66,000; Montjoy & Frewen, archts., Chamber of Commerce Bldg., Ebert School, $310,000; R. K. Fuller, archt., Foster Bldg., Edison School, $250,000. Noted Oct. 26.

Wash., Seattle—Theatre—Ackerman & Harris, Palace Hip Theatre, Empress Bldg., plan theatre. $750,000. J. Miller, mgr. Architect not announced.

Ore., Portland—High School—Bd. Educ. having plans prepared by W. C. Knighton, archt., U. S. Natl. Bank Bldg., for U. S. Grant High School, rein.-con., $332,000. Noted Oct. 26.

Ore., Portland—School—Bd. Educ., opens bids about Feb. 15, for 2 story, 90 x 360 ft., brick and concrete, Holladay School in School Dist. 1. $225,000. A. E. Doyle, Worcester Bldg., archt.

Calif., Berkeley—Library—W. H. Ratcliff, Jr., archt., 1st Natl. Bank Bldg., soon takes bids first unit of 1 story, concrete and stone, Le Conte Ave., for Pacific School of Religion, c/o archt. $100,000. Total cost $1,000,000.

Calif., Long Beach—Church—Congregational Church of Long Beach, having plans prepared by H. M. Patterson, archts., Johnson Bldg., Los Angeles, brick additions, Cedar Ave. $200,000.

Calif., Los Angeles — Apartment — C. Isaacs, c/o Walker & Eisen, archts., Pacific Finance Bldg., having plans prepared 4 story and basement, 120 x 150 ft., brick or concrete, 8th and Catalina Sts. $150,000.

Calif., Los Angeles—Hotel—Hart Bros., c/o Rosslyn Hotel, 453 South Main St., soon takes bids 12 story, fireproof, Main and 5th Sts. J. and D. Parkinson, Title Insurance Bldg., archts.

Calif., Mountain View—High School—Mountain View High School Dist. soon takes bids 2 story, rein.-con. $150,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Oct. 5.

Calif., San Francisco—Apartment—O. R. Thayer, archt., 110 Sutter St., preparing plans 6 story and basement, brick and concrete, Sutter St. $175,000. Owner's name withheld.

Calif., San Rafael—Office—See "Industrial Works."

Calif., Santa Rosa—Hotel and Apartment—Santa Rosa Hotel Corp., represented by Dunn-Hurst & Martin, Insurance Exch. Bldg., San Francisco, having plans pre-

Buildings (Continued)

pared by W. O. Lewis, archt., 1207 High St., Alameda, 6 story, concrete. $500,000. Ellery, Frost & Patton, Merchants Natl. Bank Bldg., San Francisco, engrs. Noted Jan. 11

Ont., London—Exhibition—Western Fair Bd., E. S. Little, chn. Bldg. Com., having plans prepared and takes bids end of March, 2 story and basement, 200 x 300 ft. brick and steel, Queens Park. $175,000.

Ont., Ottawa—Office—Dominion Government, Dept. Pub. Wks., having plans prepared by R. A. Wright, archt., and soon takes bids, rein.-con., brick, steel and stone, Wellington St. $2,500,000.

B. C., Penticton—Court House—Provincial Government, Victoria, plans 2 or 3 story, rein.-con., brick and stone. $150,000. P. Philip, engr., and H. Whittaker, archt., both at Dept. Pub. Wks., Victoria. $150,00.

BIDS DESIRED

Mass., West Springfield (Springfield P. O.)—High School—Feb. 6, by A. L. Pease, chn. com. for town, 3 story, 100 x 250 ft., brick, plain foundation. $285,000. C. G. Loring, 7 Water St., Boston, archt. Noted Nov. 9.

N. Y., Albany—School—Feb. 5, by Bd. Contract & Supply, P. S. 4, 2 story and basement, 68 x 198 ft. with 45 x 59 ft. wing, Madison Ave. and Ontario St. M. T. Reynolds, 100 State St., archt.

N. Y., Brooklyn—Apartment—Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., New York City, 6 story, 100 x 200 ft., brick, steel and stone, plain foundation, Brooklyn Ave. $300,000. Owner's name withheld. Work will be done by separate contracts under supervision of architects.

N. Y., Brooklyn—Apartment—Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., New York City, 6 story, 150 x 200 ft., brick, steel and stone, plain foundation, St. Marks Ave., here. $450,000. Owner's name withheld. Work will be done by separate contracts under supervision of architects.

N. Y., Brooklyn—Apartments—V. Steinfold, c/o Slee & Bryson, archts. and engrs., 154 Montague St., two 6 story, 85 x 100 ft., brick, steel and stone, plain foundations, St. Johns Pl. $250,000 each. Work will be done by separate contracts under supervision of architects.

N. Y., Brooklyn—School—Jan. 29, by C. B. J. Snyder, archt. and engr., Flatbush Ave. extension and Concord St., brick, steel and stone addition, to P. S. 6, plain foundation, Warren St. near Smith St., for Bd. Educ., 500 Park Ave., New York. $175,000.

N. Y., Kings Park—Home—Feb. 14, by State Hospital Comn., Albany, addition to Employees Home, etc., at Kings Park State Hospital, here. L. F. Pilcher, Albany, state archt.; adv. this issue.

N. Y., Marcy—Hospital—Feb. 14, by State Hospital Comn., Albany, farm colony building for 125 patients, at Utica State Hospital, Marcy Div., here. L. F. Pilcher, Albany, state archt.; adv. this issue.

N. Y., New York—Apartment—F. M. S. Building Co., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., brick, steel and stone, 188th St. and St. Nicholas Ave. $250,000. Work will be done by separate contracts under supervision of architect. M. Goodman, pres.

N. J., Bloomfield — Community and School—Sacred Heart Parish, 76 Broad St., taking bids and opens same about Feb. 15, 125 x 150 ft., brick, steel and stone, plain foundation. $200,000. T. M. Donavan, pastor. Elliott, Lynch & McKenna, 347 5th Ave., New York City, archts. and engrs.

N. J., Camden—Lockey & Hettle, archts., 5 Hudson St., receiving bids 4 story and basement, 69 x 100 ft., Bway. and Stevens St., for Y. M. C. A. $300,000. Noted Dec. 7

N. J., Toms River—Detention—Feb. 6, by Bd. Freeholders Ocean Co., Court House, brick and concrete detention building for witnesses, also remodeling wardens dwelling. P. P. Elkinton, archt. and engr.; adv this issue.

Pa., Charleroi—High School—Bd. Educ. and J. C. Brenton, archt., Charleroi, taking bids and opens same about Feb. 1, 2 story and basement, 116 x 179 ft. $150,000.

Pa., Erie—Y.W.C.A., 134 East 44th St., New York City, taking bids and opens same about Feb. 15, 3 story, brick, steel and stone, plain foundation, West 7th St., here. $200,000. W. F. Thompson, 342 Madison Ave., New York City, archt. Noted Jan. 11.

Pa., Jeannette—Church—Feb. 1, by C. G. Strong, archt., Union Bank Bldg., Pittsburgh, 1 story and balcony, 86 x 156 ft., rein.-con. and tile, 7th St. for Sacred Heart Catholic Church. $150,000. Noted Jan. 18.

Pa., Monaca—High School—Bd. Educ. taking bids 2 story and basement, 127 x 132 ft. brick and stone, Indiana Ave. $150,000. J. H. Phillips, P. O. Box 977, Pittsburgh, archt.

Pa., Phila.—Apartment—W. A. Young, archt., 320 South Iseminger St., taking bids 4 story and basement, 150 x 150 ft. brick and stone, 63rd and City Line Aves., for J. Bobb, 6250 Ludlow St. $350,000. Noted Jan. 4.

Pa., Pittsburgh—High School—Feb. 1, by Bd. Educ., Fulton Bldg., 3 story and basement, 148 x 302 ft. addition to Peabody High School, Margaretta and Beatty Sts. $500,000. E. B. Lee, Chamber of Commerce Bldg., archt.

Tenn., Nashville—War Memorial and Capitol Annex—Jan. 28, by H. McAllister, chn., State Capitol, for soldiers war memorial, etc. $1,400,000. Former bids rejected. McKim, Mead & White, 101 Park Ave., New York City, archts., and E. Daugherty, Stahlman Bldg., archt. Noted Jan. 18.

O., Cleveland—Apartments—A. and S. Realty Co., c/o Abrams & Stein, Society for Savings Bldg., taking bids and opens same about Feb. 5, two 3 story and basement, 86 x 96 ft., brick and timber, Euclid Blvd. $175,000. A. F. Janowitz, Permanent Bldg., archt.

O., Cleveland — Store — Retail Stores Building Co., c/o W. S. Ferguson Co., archts., 1900 Euclid Ave., taking bids 3 store and basement, 130 x 130 ft., brick, steel and concrete, East 12th St. and Chester Ave. $200,000.

O., Massillon — High School—Feb. 8 (change of date), by Bd. Educ., remodeling and 2 story and basement, 160 x 171 ft. addition to Washington High School, rein.-con. and brick. $300,000. O. D. Howard, 8 East Broad St., Columbus, archt. Noted Jan. 11.

Mich., Jackson—Hotel—Jan. 30, by J. Kavanaugh, 1202 East Main St., 8 story and basement, 50 x 70 ft. concrete, brick and steel, plain foundation, Francis St. $200,000. E. Bailey Co., Oil City, Pa., archts.

Ill., Chicago—Apartment—R. W. Matteson & Co., 140 South Dearborn St., receiving bids 3 story and basement, 125 x 200 ft., rein.-con., brick and steel, George and Mildred Sts. $400,000. P. F. Olsen, 127 North Dearborn St., archt. Noted Jan. 4.

Ill., Chicago—Bank, Office, etc.—Z. E. Smith, archt., 305 East 55th St., receiving bids 3 story, 125 x 200 ft., rein.-con., brick and steel, 79th St. and Cottage Grove Ave., for C. Spangenberg, 6823 Stony Island Ave. $250,000.

Ill., Chicago—Office—C. A. Eckstrom, archt., 5 North La Salle St., receiving bids 5 story, 97 x 162 ft., rein.-con., brick and steel addition, Wabash and Washington Sts., for Wabash & Washington Trust Co., c/o architect. $400,000.

Ill., Chicago—Store and Office—Kocher & Larsen, archts., 6520 South Halstead St., receiving bids 2 story, 104 x 107 ft., rein.-con., brick and steel, 848-854 West 63rd St., for J. A. Martin, 1501 West 71st St. $150,000.

Ill., Chicago—Store and Office—See-Moon & Co., 919 West Randolph St., receiving bids 2 story, 103 x 150 ft., rein.-con., brick and steel, Randolph and Morgan Sts. $150,000. Leichenko & Esser, 38 South Dearborn St., archt.

Ill., Chicago—Temple and Community House—Newhouse & Bernham, archts., 4630 Prairie Ave., receiving bids 3 story, 125 x 200 ft., rein.-con., brick and steel, Drexel Blvd. and 50th St., for Kehilath Anshe Mayriv Congregation, c/o architects. $800,000. Noted Dec. 4.

Ill., Naperville — Church — H. J. Gaul, archt., 111 West Washington St., Chicago, receiving bids 1 story, rein.-con., brick and steel, here, for Saints Peter and Paul Catholic Parish. $150,000. Noted Jan. 11.

Wis., Milwaukee—Store—M. Tullgren & Sons Co., archts., 425 East Water St., taktaking bids and opens same about Jan. 29, 2 story and basement, 120 x 120 ft., brick and concrete, plain foundation. $150,000. Owner's name withheld.

Wis., Sheboygan—Store—W. C. Weeks, archt., 720 Ontario Ave., taking bids 4 story, 110 x 120 ft., brick, rein.-con. and steel, plain foundation, for H. C. Prange Co., 731 North 8th St. $175,000. Noted Nov. 2.

Wis., Whitefish Bay—Apartment—E. R. Tompkins, 445 Milwaukee St., taking bids 3 story and basement, 50 x 72 ft. and 24 x 115 ft., brick, tile and concrete, plain foundation, Newhall St. $150,000. Clas, Shepherd & Clas, 445 Milwaukee St., Milwaukee, archts.

Minn., Minneapolis—Church—School and Rectory—Jan. 30, by Church of the Annunciation, c/o F. Lang, 5101 Nicollet Ave., 2 and 3 story and basement, 39 x 104 x 169 ft. church-school, and 2 story and basement, 19 x 50 x 60 ft. rectory, brick and tile, 50th St. and Lyndale Ave. S. $150,000. Damon, O'Meara & Hills, 1123 Merchants Natl. Bank Bldg., St. Paul, archts. Noted Nov. 23.

Minn., Minneapolis—School—Feb. 2, by Church of the Holy Name, and Fr. M. Cunningham, 3633 11th Ave. S., story and basement, 36 x 104 ft. with two 28 x 32 ft. wings, brick, concrete and tile, 12th Ave. S. and East 37th St. $150,000. Damon, O'Meara & Hills, 1123 Merchants Natl. Bank Bldg., St. Paul, archts.

Minn., New Prague—School—Feb. 6, by Bd. Educ., 2 story and basement, rein.-con., brick and tile. $150,000. F. E. Renner, clk. Toltz, King & Day, 1110 Pioneer Bldg., St. Paul, archts.

Minn., St. Paul — Church-School and Rectory—Feb. 1, by Church of the Nativity, c/o T. Moore, 2031 Lincoln Ave., 60 x 142 ft. church-school with two 34 x 87 ft. wings, and 2½ story and basement, 50 x 60 ft. rectory, brick, concrete and tile, Stanford and Prior Aves. $150,000. Damon, O'Meara & Hills, 1123 Merchants Natl. Bank Bldg., archts. Noted Dec. 21.

Neb., Omaha — Hospital — Lincoln City Hospital Assn., c/o J. L. Teeters, chn., 1812 D St., Lincoln, receiving bids brick, stone and rein.-con. hospital, and power house, 17th and Sewel Sts. Davis & Wilson, 515 Security Bldg., Lincoln, archts. O. H. Bartine, Aeolian Bldg., New York City, consult. archt.

N. D., Jamestown—High School—Feb. 23, by Bd. Educ., superstructure for 3 story and basement, 150 x 180 ft., rein.-con., brick, tile and stone, $250,000. Shannon, Boyd & Boyd, Jamestown, archts. Noted Nov. 2.

Colo., Denver — Hall — H. J. Manning, archt., Majestic Bldg., taking bids and opens same about Feb. 1, 4 story and basement, 60 x 175 ft., brick, stone and tile, for Regis College, West 50th Ave. and Lowell Blvd. $250,000.

Colo., Denver—Hospital, etc.—Fisher & Fisher, archts., U. S. Natl. Bank Bldg., taking bids and opens same March 1, 5 units incl. hospital, administration, medical school, outside patients and nurses home, 8th St. and Colorado Blvd., for State of Colorado, c/o C. W. Mills, chn. Bldg. Comn. $1,000,000.

Calif., Taft—High School—Feb. 13, by Trustees Taft Union High School Dist., group rein.-con. buildings, incl. auditorium, gymnasium, science, domestic science, shop, and addition to present structures. To exceed $200,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted July 20.

BIDS RECEIVED

Md., Baltimore—School—Mayor and City Council opened bids, 3 story, 145 x 264 ft., rein.-con. and brick, plain foundation, Granada and Oakford Aves., from Price Constr. Co., Maryland Trust Bldg., $456,000; P. C. Streett, 3407 Norwood Ave., $475,000; Consolidated Eng. Co., Calvert Bldg., $482,500. Noted Jan. 11.

D. C., Wash.—Hotel—Powhatan Hotel Co., 18th St. and Pennsylvania Ave. N. W., received bid 10 story addition, from Boyle-Robertson Constr. Co., Evans Bldg. Archts. est. $500,000. Noted Jan. 11.

O., Wooster—High School—Bd. Educ. opened bids Jan. 15, 2 story and basement, 95 x 188 ft., 62 x 81 ft. and 24 x 80 ft., brick, concrete and terra cotta, from J. L. Barnes, South Bend, Ind. (street address not available) $327,215; R. H. Evans & Co., Ferry Bldg., Columbus, $339,950; R. G. Whitter, Cleveland (street address not available) $342,000. Noted Jan. 4.

Minn., Mankato—School—State Bd. of Control, St. Paul, opened bids Jan. 15, general contract 3 story and basement, rein.-con. brick and tile, State Teachers College, here, from J. B. Nelson Constr. Co., Mankato, $256,980; E. Bjorklund, 485 Endicott Bldg., St. Paul, $264,435; J. A. McDonald, 750 Builders Exch., Minneapolis, $267,893. Noted Jan. 11.

CONTRACTS AWARDED

N. Y., Binghamton—Store—Hills, McLean & Haskin, 89 Court St., 3 story, 60 x 250 ft., brick addition, Commercial St., to Mitchell Constr. Co., 332 Water St. Archts. est. $165,000.

N. Y., Brooklyn—Apartment—J. Gottlieb, c/o Cohn Bros., archts. and engrs., 361 Stone Ave., 110 x 140 ft., brick, steel and stone, plain foundation, Ocean Ave., by day labor. $200,000.

N. Y., Brooklyn—Apartment—Nugent Constr. Co., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., New York City, 6 story, 50 x 100 ft., brick, steel and stone, plain foundation, 94th St., here, by day labor. $200,000.

N. Y., New York—Apartment—Permark Corp., c/o M. Freehof, archt. and engr., 135 East 43rd St., 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, Harrison

Buildings (Continued)

Ave., by day labor. Archts. est. $200,000. S. Fessler, pres.

N. Y., New York—Apartment—Brandt Building Corp., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., 6 story, 160 x 200 ft., brick, steel and stone, plain foundation, 174th St. and Bway., by day labor. $400,000.

N. Y., New York—Apartment—Harman Realty Co., c/o Goldner & Goldner, archts. and engrs., 47 West 42nd St., 6 story, brick, steel and stone, plain foundation, Walton Ave., by day labor. Archts. est. $175,000.

N. Y., New York—Apartment—H. J. M. Building Co., c/o Springsteen & Goldhammer, 32 Union Square, archts. and engrs., 5 story, brick, steel and stone, plain foundation. Grand Concourse, by day labor. Archts. est. $250,000.

N. Y., New York—Apartment—H. M. K. Realty Co., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Square, brick, steel and stone, plain foundation, Grand Ave., by day labor. Archts. est. $175,000.

N. Y., New York—Apartment—Joint Ownership Constr. Co., c/o Rouse & Goldstone, archts. and engrs., 512 5th Ave., 14 story, brick, steel and stone, plain foundation, Lexington Ave., by day labor. $500,000, F. Culver, pres.

N. Y., New York—Apartment—Kaufman & Massimino, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, 75 x 115 ft., brick, steel and stone, plain foundation, Sherman Ave., by day labor. Archts. est. $150,000.

N. Y., New York—Apartment—Langsen Realty Co., c/o Goldner & Goldner, archts. and engrs., 47 West 42nd St., 6 story, 100 x 100 ft., brick, steel and stone, East 181st St. by day labor. Archts. est. $300,000. S. Langenthal, pres.

N. Y., New York—Apartment—Trio Holding Co., Inc., c/o C. B. Meyers, archt. and engr., 32 Union Square, 6 story, brick, steel and stone, plain foundation, Haven Ave., by day labor. Archts. est. $150,000. J. H. Springer, pres.

N. Y., New York—Studio and Apartment—Joint Ownership Constr. Co. Inc., 342 Madison Ave., 15 story, 110 x 111 ft., brick, steel and stone, plain foundation, 424 East 57th St., to Hegeman-Harris Co. Inc., 185 Madison Ave. Archts. est. $1,750,000.

Pa., Phila.—Apartments—B. Mercer, archt., 3602 Market St., two 4 story and basement, 42 x 56 ft. brick, steel and stone, plain foundations, 63rd and Jefferson Sts., to Kaplan, Shatler & Presser, Inc., 3602 Market St., $150,000. Owner's name withheld.

Pa., Phila. — Sales and Office — A. J. Sauer & Co., archts. Denckla Bldg., 15 story and basement, 1312-14 Chestnut St., to Hughes-Foulkrod Co., Commonwealth Bldg., for Cunningham Piano Co., 12th and Chestnut Sts., $1,000,000. Noted Jan. 11.

Pa., Titusville—Theatre—Morosco Holding Co., 25 West 43rd St., New York City, 1 and 2 story, 85 x 100 ft., West Spring St., here, to E. Margolies, 19 East 33rd St., New York City. Archts. est. $175,000. Contract to F. C. Danner, New Kensington, abandoned. Noted Sept. 7.

Md., Baltimore—Engine Houses and Truck Houses—Mayor and City Council, to P. C. Streett, 3407 Norwood Ave., engine house 59, Maryland and Indiana Aves., Westport, $44,000; to R. B. Mason, 308 West Madison St., engine house 57, Harford Rd. and Fleetwood Ave., $41,985, engine house 47, Washington Blvd. and 8th St., $44,789, engine house 56 and truck house 24, Bush and Carroll Sts., $53,362; to General Contg. Co., 226 Richmond St., engine house 58, Pennington Ave. and Filbert St., $43,618, engine house 25, $42,679. Bids rejected on engine house 55 and truck house 23. Noted Jan. 18.

Md., Baltimore — School — Mayor and City Council, 3 story, brick, Hawthorne Rd. and Clarendon Ave., to J. H. Miller Inc., Eutaw and Franklin Sts., $1,124,420. Noted Jan. 18.

W. Va., Wayne—High School—Bd. Educ. of Wayne Co., 2 story and basement, 108 x 128 ft., to King Lumber Co., Charlottesville, Va. Archts. est. $150,000. Noted Feb. 9.

Ga., Atlanta—High School—Bd. Educ. 3 story, concrete and brick, plain foundation, to McDevitt-Fleming Co., 1st Natl. Bank Bldg., Chattanooga Tenn. $200,000.

La., Baton Rouge—Engineering—R. L. Himes, secy. Bldg. Com. Louisiana State University, engineering building, heating, piping, tunnels, and cottage for professor, to Caldwell Bros., 859 Carondelet St., New Orleans, $167,432. Noted Jan. 4.

O., Cleveland—Church—W. C. Jansen, archt., 402 Electric Bldg., superstructure for 1 story, 100 x 200 ft., brick and steel, East 109th St. and St. Clair Ave., to Alexander Bros., Williamson Bldg., for St. Aloysius Roman Catholic Church, 10932 St. Clair Ave. Archts. est. $300,000. Noted Jan. 4.

O., Cleveland — Display and Sales — Walker & Weeks, archts., 1900 Euclid Ave., 4 story, 60 x 125 ft., brick, steel and concrete, 7023 Euclid Ave., to Crowell & Little Constr. Co., 3751 Prospect Ave., for Schwegler & Co., 6501 Euclid Ave. Archts. est. $200,000. Noted Dec. 14.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., general contract, 2 story and basement, 65 x 70 x 187 x 191 ft., brick, steel and concrete addition, East 79th St. and Hough Ave., to Camp Constr. Co., Newman-Stern Bldg., $361,500; heating and ventilating apparatus, to J. Roemer Heating Co., 1808 East 22nd St., $69,750. Noted Jan. 11.

O., Dayton—Office and Store—E. E. Urban Co., 716 Forest Ave., 16 story, 60 x 65 ft. with 6 story tower, rein.-con. and brick, South Market St., to F. J. Hughes Co., 406 U. B. Bldg., $400,000.

Ind., Indianapolis—Apartment—W. F. Myers, 726 Pythian Bldg., 3 story and basement, 65 x 132 ft., brick, Woodruff Pl., to State Constr. Co., Pythian Bldg., cost plus percentage basis. Archts. est. $150,000. Noted Jan. 11.

Ind., Indianapolis—Bank and Office—Meyer-Kiser Bank, 136 East Washington St., 11 story and basement, 60 x 200 ft., rein.-con. and brick, steel frame, East Washington St., to Bedford Stone & Constr. Co., Fletcher Trust Bldg. Archts. est. $1,000,000. Noted Jan. 4.

Mich., Detroit — Apartment — Citizens Building & Realty Co., 816 Smith Bldg., 7 story and basement, 50 x 150 ft. rein.-con., brick and steel, Woodward and Peterboro Aves., to R. Appelman, 5820 Van Court Ave. Archts. est. $1,250,000.

Mich., Detroit — Hotel — Development Corp., J. B. Book, Jr., pres., Book Bldg., 25 story, brick, steel and stone, plain foundation, Michigan Ave. and Washington Blvd., to Lynch Constr. Co., 52 Vanderbilt Ave., New York City. Archts. est. $5,000,000.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story and basement, 48 ft. high, 110 x 145 ft., rein.-con., brick and steel, plain foundation, Kirby Ave., to Brayton Eng. Co., 907 Kresge Bldg., $263,909. Noted Dec. 21.

Ill., Chicago—Apartment — A. Knight, 3731 North Dearborn St., 3 story and basement, 100 x 120 ft., rein.-con., brick and steel, 5208 Belden St., to J. Anderson & Son, 5717 Winthrop Ave. Archts. est. $200,000.

Ill., Chicago—Apartment, Hotel and Store—W. F. Peterson, 118 North La Salle St., 3 and 4 story, 150 x 156 ft., rein.-con., brick and steel, 300-12 Central Ave., to Anderson & Winblad, 118 North La Salle St. Archts. est. $250,000.

Ill., Chicago—School—Bd. Educ., 650 South Clark St., 3 story, 208 x 266 ft., rein.-con., brick and steel, 4400-58 Sacramento Ave., to A. and E. Anderson Co., 19 South La Salle St. Archts. est. $650,000.

Ill., Chicago — School — Bd. Educ., 650 South Clark St., 3 story and basement, 92 x 108 ft., rein.-con., brick and steel addition, 16th St. and South Avers Ave. to G. Kehl & Sons, 1225 North Maplewood Ave. Archts. est. $500,000.

Ill., Chicago—Store and Office—J. F. Vakoun & Son, 541 Diversey Parkway, 2 story, 100 x 125 ft., rein.-con., brick and steel, 545-55 Diversey Parkway, to Anderson & Winblad, 6235 South Michigan Ave. Archts. est. $150,000.

Ill., Evanston—Hotel—V. C. Carlson, 701 Church St., 7 story, 140 x 270 ft., rein.-con., brick and steel, Orrington Ave. and Church St., by day labor. $2,000,000, J. A. Scanlon, c/o owner, architect. Noted Aug. 24 under "Chicago."

Wis., Beloit—Office—Beloit Water, Gas & Electric Co., 429 East Grand Ave., general contract, 3 story and basement, (ultimately 7 story), 80 x 136 ft., brick, steel and concrete, plain foundation, to J. Schneiberg, 945 Bluff St.; structural steel, to Worden-Allen Co., Port Washington Rd., Milwaukee. Archts. est. $150,000. Noted Oct. 5.

Ia., Monticello—High and Grade School—School Bd., general contract 3 story and basement, 102 x 215 ft., rein.-con., brick and Bedford stone, to Lauritzen Constr. Co., Waterloo, $148,639. Noted Dec. 21.

Kan., Salina—College—Kansas Wesleyan College, 3 story, brick, plain foundation, to Eberhardt Constr. Co., Salina, $200,000. Lorentz, Schmidt & Co., 516 4th Natl. Bank Bldg., Wichita, archts. preparing plans.

Neb., Lincoln — Bank and Office — A. Moorman & Co., archts., Chamber of Commerce Bldg., St. Paul Minn., will build 7 story and basement, 25 x 142 ft., brick, concrete, stone and terra cotta, here, for Natl. Bank of Commerce, by day labor. $250,000.

Mo., St. Louis—Store and Office—T. P. Saum, 4425 Shaw Ave., 2 and 3 story, 125 x 145 ft., brick and terra cotta, McPherson and DeBaliviere Aves., to Saum Architects, 713A Chestnut St., $150,000.

Calif., Sacramento—Market—L. Glide, c/o J. Morgan, archt., Merchants Exch. Bldg., San Francisco, steel work and foundation for 2 story and basement, 160 x 170 ft., 13th and J Sts., to K. E. Parker, Clunie Bldg., San Francisco, $97,600. Noted Jan. 18.

Calif., San Francisco—Apartment—L. B. Ham, 105 Montgomery St., will build 6 story and basement, brick and steel, Northeast Sutter and Leavenworth Sts., by day labor under supervision of W. Wethered, engr., 755 Mission St. $150,000.

Calif., San Francisco — Market and Apartment—Gaffney & Luce, c/o Daylight Market, 6 story and basement, rein.-con., Market and Gough Sts., to G. P. W. Jensen, 320 Market St., $198,000. Noted Dec. 28.

Calif., Santa Ana—Bank and Office—First Natl. Bank of Santa Ana, 6 story and basement, brick and steel, to E. C. English, Citizens Natl. Bank Bldg., Los Angeles, $425,000.

Federal Government Work

PROPOSED WORK

N. Y., New York—Dredging—U. S. Engineer, 1st Dist., plans dredging and rock removal in East River.

Pa., Phila.—Fuel Oil—U. S. Engineer, 815 Witherspoon Bldg., rejected bids opened Dec. 26, furnishing 37,000 bbl. fuel oil. Noted Jan. 4.

Mo., St. Louis—Oil Burning Equipment—U. S. Engineer, St. Louis, plans to purchase fuel oil burning equipment.

Ore., Portland—Scows—U. S. Engineer, 1st Dist., rejected bids opened Dec. 26 for 2 dump scows. Noted Dec. 14.

BIDS DESIRED

N. Y., Chelsea—Mechanical Equipment—Feb. 7, by Treas. Dept., Wash., D. C., mechanical equipment for administration building, mess hall, etc., U. S. Veterans Hospital, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

N. Y., Iona Island—Quarters—Spec. 4743—Jan. 31 by Bureau Yards & Docks, Navy Dept., Wash., D. C., 1 double set quarters, here. Noted Oct. 12.

Pa., Phila.—Breakwater—Feb. 13, by Supt. Lighthouses, Phila., stone and rein.-con. breakwater at Harbor of Refuge Light Station, Delaware Bay, Del.; adv. this issue.

Pa., Phila.—Dredging—Spec. 4730—Feb. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging bulkheads, here.

Del., Wilmington — Quarter-Boat and Barges—Feb. 24, at Office U. S. Engineer, Wilmington, for 1 steel quarter-boat and 2 steel barges; adv. this issue.

Del., Wilmington—Stone—Feb. 6, at Office U. S. Engineer, Wilmington, furnishing and delivering stone for jetty repairs, at mouth of Broadkill River.; adv. this issue.

Md., Annapolis—Natatorium—Spec. 4751—Jan. 29 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., 1 story, 89 x 289 ft., rein.-con., brick, steel and granite natatorium, here. L. E. Gregory, ch. of bureau. Noted Jan. 11.

D. C. Wash—Laboratory etc.—Feb. 6 at Office of Chief Clerk, Interior Dept., construction complete of laboratory and isolation buildings at St. Elizabeths Hospital, here. F. M. Goodwin, asst. secy. Noted Nov. 2.

Ala., Florence—Castings, etc.—Feb. 21, at Office U. S. Engineer, Florence, for furnishing castings and other parts for regulating gates of Wilson Dam; adv. this issue. Noted Dec. 28.

Ala., Florence—Generator—Feb. 12, at Office U. S. Engineer, Florence, furnishing and delivering 1 electric generator; adv. this issue.

Ala., Florence—Tanks—Feb. 17, at Office U. S. Engineer, Florence, furnishing displacement tanks for regulating gates of Wilson Dam; adv. this issue.

Ariz., Nogales—Post Office—Feb. 19, by Treas. Dept., Wash., D. C., for U. S. Post Office and Custom House, here. J. A. Wetmore, acting superv. archt.

Ky., Dawson Springs—Alterations—Feb. 6, by Treas. Dept., Wash., D. C., for alterations to U. S. Veterans Hospital, here. J. A. Wetmore, acting superv. archt.

Calif., San Diego—Water-Softening Machinery—Spec. 4768—Feb. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., water softening machinery, here. Noted Dec. 21.

Alaska, Cordova—Post Office—May 10, by Treas. Dept., Wash., D. C., for U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

BIDS RECEIVED

Pa., Phila.—Dredging—U. S. Engineer, 815 Witherspoon Bldg., received only bid

Federal Government Work (Continued)

Jan. 17, dredging in Delaware River between here and Trenton, N. J., 49,500 cu.yd. excav. with maximum allowable overdepth of 48,800 cu.yd., from Canal Constr. Co., Inc., 1202 North Amer. Bldg., $0.93 per cu.yd. Noted Dec. 28.

Tenn., Nashville—Hull—U. S. Engineer, Custom House, received only bid Jan. 16 for steel hull for floating dredge "Wautauga" from C. Ward Eng. Co., Charleston, W. Va., $60,574. Noted Dec. 21.

Wash., Smith Island—Sheds, Filters, etc. —Spec. 4752—Bureau Yards & Docks, Navy Dept., Wash., D. C., for rain sheds, filters, cisterns, fuel shed and walk, at Naval Radio Compass Stations, here and at New Dungeness, (1) work complete, from Olympic Pile Driving Co., Tyler St. Docks, Ft. Townsend, (1) $9,000 (2) $5,000 (3) $4,000; O. G. Walker, 2701 North 21st St., Tacoma, (1) $9,150 (2) $5,161 (3) $3,989.

Wash., Tacoma—Hospital—Director, U. S. Veterans Bureau, in office Quartermaster General, 2306 Munitions Bldg., Wash., D. C., for Neuro-Psychiatric Hospital, at American Lake, here (1) work complete, from Sound Constr. & Eng. Co., Inc., 109 Lowman Bldg., Seattle, (1) $1,376,264 (2) $21,000 (3) $225,700 (4) $83,900 (5) $81,300 (6) $52,600 (7) $78,000 (8) $75,800 (9) $47,500 (10) $17,300 (11) $23,200 (12) $27,800 (13) $30,900 (14) $35,100 (15) $14,100 (16) $33,100 (17) $36,100 (18) $6,000 (19) $13,500 (20) $8,000 (21) $6,000 (22) $1,000 (23) $21,600 (24) $4,500 (25) $1,400 (27) $150 (28) unit prices (a) $2.50 per sq.yd. (b) $2.16 (c) $0.75 (d) $9.75 (e) $2.80 (f) $2 (g) $2 (h) $10 (i) $11 (j) $66 (l) $36 (m) $0.45 (n) $0.65 (o) $0.20 (365 days); Hurley-Mason Co., Gasco Bldg., Portland, Ore., (1) $1,397,000 (2) $21,000 (3) $220,000 (4) $88,500 (5) $83,600 (6) $53,000 (7) $74,900 (8) $77,700 (9) $45,800 (10) $14,600 (11) $22,300 (12) $20,300 (13) $29,500 (14) $36,400 (15) $14,100 (16) $36,600 (17) $57,500 (18) $5,000 (19) $3,000 (20) $10,700 (21) $9,000 (22) $10,000 (23) $24,000 (25) $1,500 (26) $600 (27) $140 (28) unit prices (a) $2.30 (b) $2 (c) $1 (d) $0.70 (e) $2.50 (f) $1.90 (g) $1.80 (h) $12 (i) $20 (j) $61 (k) $110 (l) $52 (m) $0.60 (n) $0.90 (o) $0.25 (260 days); A. W. Quist Co., Hoge Bldg., Seattle, (1) $1,374,104 (letter received adding $12,000) (2) $22,000 (3) $235,571 (4) $91,560 (5) $76,731 (6) $54,364 (7) $79,996 (8) $84,693 (9) $46,927 (10) $15,335 (11) $24,560 (12) $21,663 (13) $30,946 (14) $39,183 (15) $13,600 (16) $34,390 (17) $57,780 (18) $6,000 (19) $14,947 (20) $12,176 (21) $9,500 (22) $7,000 (23) $14,000 (24) deduct $500 (25) deduct $500 (26) $500 (27) $140 (28) unit prices (a) $1.90 (b) $1.90 (c) $0.60 (d) $2.25 (e) $1.65 (f) $1.80 (g) $10.35 (h) $20 (i) $60 (j) $120 (k) $38 (l) $0.45 (m) $0.70 (n) $0.20 (300 days). Noted Dec. 14.

Ore., Astoria—Piers—Spec. 4615—Bureau Yards & Docks, Navy Dept., Wash., D. C., for piers, here, (1) work complete, from Gilpin Constr. Co., foot of 14th St., (1) $128,500 (180 days) (2) $7,300 (3) $28,500 (4) $0.28 (5) $0.20 (425 days) (6) $0.20 (425 days); J. H. Tillman, Seaside (1) $142,497 (360 days) (2) $7,900 (3) $36,000 (4) $0.20 (5) $0.48 (6) $0.48; H. Wakela, 253 Alameda Ave., (1) $485,581 (2) $11,302 (3) $85,000 (4) add $0.34 deduct $0.16 (5) $0.28 (6) $0.28. Noted Dec. 28.

Calif., San Diego—Garage, Fence, etc. —Spec. 4741—Bureau Yards & Dock, Navy Dept., Wash., D. C., garage, fence and pavement, at Naval Base Supply Depot, here, from Cornell & Rauch, National City, $12,925 (110 days) telegraphic modification add $1,000; F. Doran, 345 Spreckles Bldg., $18,000 (110 days) telegraphic modification $15,300; W. E. Kier Constr. Co., 813 First Natl. Bank Bldg., $15,654 telegraphic modification add $500. Noted Dec. 28.

CONTRACTS AWARDED

N. Y., Tupper Lake—Drainage System, etc.—Spec. 4723—Bureau Yards & Docks, Navy Dept., Wash., D. C., water drainage and sewerage systems, at U. S. Veterans Hospital, here, to H. W. Bachelder & Co., Herkimer, Items 1 and 2 $65,500 (210 days). Noted Jan. 11.

N. Y., Tupper Lake—Equipment, etc.—Spec. 4720—Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating equipment, etc., at U. S. Veterans Hospital, here, to Wittenmeier Mchy. Co., 850 North Spaulding Ave., Chicago, $24,570 (190 days). Noted Jan. 4.

N. Y., Tupper Lake—Lighting and Electrical Systems, etc.—Spec. 4718—Bureau Yards & Docks, Navy Dept., Wash., D. C., lighting and electrical distribution systems, at U. S. Veterans Hospital, here, to Strang Electric Co., 214 South 7th St., Phila., Pa., Items (13) (14a) (14b) (14c) (14d) (14e) (14f) and (17) $48,662; heating, steam distributing system, boiler house equipment, etc. in above, to Shevlin Eng. Co., 259 West 34th St., New York, Items (11) (12a) (12b) 12c) (12d) (12e) (12f) and (15) $171,868. Noted Jan. 11.

N. Y., Tupper Lake—Radial Brick Stack —Spec. 4722—Bureau Yards & Docks, Navy Dept., Wash., D. C., for radial brick stack, at U. S. Veterans Hospital, here, to Ballard, Sprague & Co., Inc., 200 5th Ave., New York, $9,470 (250 days). Noted Jan. 4.

N. Y., Tupper Lake—Roads, etc.—Spec. 4727—Bureau Yards & Docks, Navy Dept., Wash., D. C., for roads and sidewalks, etc., at U. S. Veterans Hospital, here, to Newport Contg. and Eng. Co., Law Bldg., Newport News, Va., Items 1 and 2 $58,468. Noted Jan. 11.

Ala., Florence—Cement—U. S. Engineer, Florence, furnishing 400,000 bbl. Portland cement, to Gulf States Portland Cement Co., Demopolis, $288,840; Atlas Portland Cement Co., 134 South La Salle St., Chicago, Ill., $710,000; Dixie Portland Cement Co., James Bldg., Chattanooga, Tenn., $146,850. Noted Dec. 7.

Mich., Detroit—Dredging—U. S. Engineer, 337 Federal Bldg., dredging and rock removal in Livingstone Channel, Detroit River, 323,000 cu.yd. earth excav. with possible over depth of 16,000 cu.yd. and 175,000 cu.yd. rock with possible over depth of 86,000 cu.yd., to M. Sullivan Dredging Co., 853 Iroquois Ave. $774,000. Noted Dec. 28.

Miscellaneous

PROPOSED WORK

Transmission Line — Batavia, N. Y.—Genesee Light & Power Co. plans transmission line from here to Leroy. $25,000. Taking bids for frequency changers, etc.

Dock Wall, etc.—Buffalo, N. Y.—Bd. Pub. Wks., Municipal Bldg., making plans 1,100 ft. dock wall for Bird Island Pier improvement, incl. crib work, and 1,100 ft. 8½ ft. rein.-con. sewer. $350,000. G. H. Norton, city engr.

High Tension Line—Akron, O.—Northern Ohio Traction & Light Co., Terminal Bldg., and Ceveland Illuminating Co., soon takes bids high tension electric circuit from here to Cleveland to be on towers and in conduit. $700,000. W. G. Tighe, Akron, engr.

Road Machinery, etc.—Ladysmith, Wis.—Rusk Co. voted $5,000 bonds to purchase road machinery, incl. patrol graders. P. Koehler, comr.

Passenger Switching Yards, etc.—Madison, Wis.—Chicago & North Western Ry., c/o A. W. Bowers, Div. Agt., South Madison St., plans additions to switching yards, constructing brick and steel roundhouse incl. equipment. $250,000. Engineer not selected.

Street Lighting — Milwaukee, Wis. — Plans to expend $100,000 for extensions to street lighting system. G. Staal, City Hall, engr.

Retaining Walls — Wausau, Wis. — See "Bridges."

Lighting System—Sioux City, Ia.—Plans new lighting system for downtown district. L. Hintgen, city engr.

Arena—Minneapolis, Minn.—Minneapolis Arena Co. Inc., 317 McKnight Bldg., plans 2 story and basement, 40 x 160 ft., and 1 story, 160 x 222 ft., rein.-con. and tile, 13th Ave. and Lake St. $240,000. I. Z. Wright, secy. Architect not selected.

Road Oil, etc.—Minneapolis, Minn.—F. S. Cram, city purch. agt., soon takes bids 1,500,000 gal. Mexican road oil for city streets, and 125,000 bbl. cement. N. W. Elsberg, city engr.

Band Pavilion, etc.—Kansas City, Mo.—Fairyland Amusement Co., 118 East 10th St., having preliminary plans prepared for band pavilion, dance halls, bathing beach, towers, show spaces and cafe, 75th St. and Prospect Ave., earth and rock excav., rein.-con. and wood piling. $800,000. Tuttle-Ayers-Woodward Eng. Co., 606 Interstate Bldg., archts.

Wharf, etc. — Beaumont, Tex. — City Comn., c/o G. J. Roark, city mgr., soon takes bids 15,000 ft. new wharf and 5 warehouses. $400,000. W. L. Fulwieler, city engr.

Grain Elevator—Houston, Tex.—Making plans grain elevator on Ship Channel. $1,000,000. J. C. McVea, city engr.

Stadium—San Marcos, Tex.—San Marcos Baptist Academy plans athletic stadium. $30,000. R. H. Hunt & Co., Southwestern Life Bldg., Dallas, engrs.

Electric Light System—Bridgeburg, Ont. —Plans 8 mi. hydroelectric lighting and power distribution system from here to Stevensville. $50,000. Engineer not selected.

Transmission Line, Gas Holder, etc.—Pendleton, Ore.—Pacific Power & Light Co., Gasco Bldg., Portland, appropriated $450,000 for high tension line between here and Pasco, $10,000 gas holder and $7,500 new lines and repairs, here. G. W. Talbot, pres.

Electrolier System—Berkeley, Calif.—Takes bids about Feb. 1 installing 132 electroliers in University and San Pablo Aves. Former contract rescinded. Noted Dec. 28.

Electric Lights — Huntington Beach, Calif.—See "Streets and Roads."

Pier—San Diego, Calif.—Election probably March 20, to vote on $500,000 bonds for completion of mole type Pier No. 2.

Stone Crushing Equipment—Montreal, Que.—Montreal Quarry, Ltd., 800 Bellechasse St., soon takes bids for stone crushing equipment and drills.

Electric Light System—Monkton, Ont.—Plans electric lighting and power distribution system. $30,000. Engineer not selected.

Lowering Tracks—Toronto, Ont.—Plans elimination of boulevard on St. Clair Ave. W., by lowering street railway tracks, removing curb and paving between 2 side pavements, incl. 3½ mi. road and pavement. $600,000. R. C. Harris, city engr.

BIDS DESIRED

Refined Asphalt, etc.—Brooklyn, N. Y.—Jan. 31, by E. Riegelmann, boro pres. Boro Hall, furnishing and delivering 400,000 gal. refined asphalt in liquid form, 4,500 cu.yd. binder stone, 2,000 net ton limestone or other suitable inorganic dust, 10,000 cu.yd. asphalt sand, 8,000 bbl. Portland cement, 50,000 asphalt paving blocks 2½ in. deep, 50,000 grade 1 granite paving blocks 3 in. deep, 50,000 wood paving blocks, 5,000 cu. yd. steam cinders, 300,000 gal. asphalt road oil delivered by rail to any or all railroad stations in Boro of Brooklyn, 1,800 cu.yd. 1½ in. broken stone and 700 cu.yd. broken stone screenings.

Asphalt Road Oil, etc.—New York, N. Y.—Feb. 1, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., furnishing and delivering 600,000 gal. asphalt road oil, 200,000 gal. tar road oil, 50,000 gal. bituminous road surfacing material (for hot use), 800 ton asphaltic cement, 6,000 cu.yd. 1½ in. and 500 cu. yd. ¾ in. broken trap rock stone and 3,000 cu. yd. broken trap rock stone screenings, 60 ton paving pitch, 8,000 cu.yd. asphalt wearing surface sand, 1,000 cu.yd. binder stone, 1,000 ton limestone dust or other suitable inorganic dust, 4,000 bags portland cement, 6,000 cu.yd. sand grits special, 3,000 cu.yd. hard coal clean steam boiler ashes, 1,000 cu.yd. fine sand, spruce lumber, cypress, whitewood, white pine, quarter sawn white oak, plain sawn white oak, hickory and long leaf yellow pine lumber.

Brick Paving Blocks, etc.—Jamestown, N. Y.—Feb. 2, by Bd. Estimate & Review, City Bldg., furnishing Hillside vitr. brick paving blocks, standards 1 and 2, in quantities as shall be ordered from time to time; also Portland cement and sewer pipe in such quantities as ordered by Board until Dec. 31. To exceed $15,000. L. O. Bergman, city engr.

Structural Steel, New York, N. Y.—Feb. 1, by Transit Comn., 49 Lafayette St., furnishing and erecting structural steel for 3rd addition to shops at Lenox Ave. and 148th St.

Air Compressor, etc.—Ambridge, Pa.—C. Kristufek, 300 Park Ave., taking bids air compressor, conveying, hoisting, woodworking, transmission and cement block machinery.

Core Borings—Phila., Pa.—Jan. 30, at office W. S. Twining, dir. Dept. City Transit, 1211 Chestnut St., core borings in Broad St. between Arch St. and Olney Ave., Contr. 5.

Sub-Structure for Pier and Bulkhead—Baltimore, Md.—Jan. 31, by L. P. Kimball, ch. engr., B. & O. Bldg., substructure for Pier 7 and bulkhead, 1 story, 250 ft. long, concrete, 80,000 cu.yd. dredging, 30,000 cu. yd. sand fill, 5,000 cu.yd. old rip rap, 1,000 cu.yd. new rip rap, Locust Point. Private plans.

Brick—Wash., D. C.—Feb. 19, by Dist. Comrs., 509 Dist. Bldg., furnishing and delivering 500,000 red face or pressed bricks on site of Langley and MacFarland Junior High Schools. C. Rudolph, F. Oyster and C. Keller, comrs.

Platform and Woodwork, etc.—New Orleans, La.—Feb. 1, by Bd. Port Comrs. 200 New Court Bldg., open platform at foot of Barracks St., $25,000, also woodwork for new shed and warehouse at 7th St. wharf. $20,000.

Rock Crusher, etc.—Knox, Ind.—Feb. 5 by Comrs. Starke Co., 1 portable rock crusher, 1 portable gravel screen, 1 light weight road grader (about 1,500 lb.).

Air Life Equipment, etc.—Madison, Wis. —Taking bids air lift equipment and pump complete with Booster tank for city water supply. E. E. Parker, City Hall, engr.

Portland Cement—Milwaukee, Wis.—Jan. 30, by Central Bd. Purchases, City Hall, 10,000 bbl. Portland Cement for use of various departments. G. Staal, City Hall, engr.

Miscellaneous (Continued)

Lumber, etc.—Clinton, Ia.—Feb. 6, by Auditor Clinton Co., furnishing 175,000 ft. lumber and 4,000 ft. corrugated culvert metal, f.o.b. Clinton Co. E. B. Lorenzen, Clinton, engr.

Lumber and Culvert Metal—Maquoketa, Ia.—Feb. 6, by Auditor Jackson Co., furnishing 5 cars bridge lumber and 5,100 ft. corrugated culvert metal. F. M. Thul, Maquoketa, engr.

Lumber, etc.—Nevada, Ia.—Feb. 8, by Auditor Story Co., furnishing 129,000 ft. fir lumber and 4,608 ft. corrugated culvert metal, f.o.b. Story Co. S. Steigerwalt, Nevada, engr.

Culvert Metal, Lumber, etc.—Osage, Ia.—Feb. 6, by Auditor Mitchell Co., furnishing corrugated culvert metal, 8,000 lb. reinforcing, cement, 14,348 ft. lumber and 1,500 ft. piling, $5,000. C. P. Goplereed, Osage, engr.

Tractor and Grader—Burke, S. D.—Feb. 6, by Gregory Co., one tractor, 15 hp. on draw bar, (caterpillar, crawler or track laying type), one grader, one 12 ft. blade grader.

White Way—Dallas, Tex.—City Comn. taking bids for white way on Pacific Ave., incl. 109 standards, 15½ ft. high. G. D. Fairtrace, city engr.

BIDS RECEIVED

Transmission Line Conductors — San Francisco, Calif.—Bd. Pub. Wks., opened bids Jan. 10, transmission line conductors for Moccasin Creek Power Plant, Hetch Hetchy Project, (1) price per lb. (2) lbs. per mile, from Anaconda Copper Mining Co., Anaconda, Mont., represented by Pacific States Electric Co., 575 Mission St., Proposition B (1) $0.18775 (2) 7,339, Proposition C (1) $0.1865 (2) 5,796, Proposition D (1) $0.1968 (2) 4,076, Proposition E (1) $0.18775 (2) 6,931, Proposition F (1) $0.178 (2) 4,700, Proposition G (1) $0.179 (2) 7,339, Proposition H (1) $0.179 (2) 6,921, credit for return of reels $15 on each proposition; Aluminum Co. of America, Rialto Bldg., Proposition A (1) $0.215 (2) 3,284, credit for return of reels $12, Proposition A, steel rein. aluminum cable; Proposition B, all copper stranded cable; Proposition C, hemp cored copper cable; Propositions D, E and F are intended to cover any form of cable not included in A, B and C. Noted Jan. 4.

CONTRACTS AWARDED

Steam Rollers—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 3 tandem steam rollers, to Galion Steam Wks. Mfg. Co., 50 Church St., $8,804. Noted Jan. 18.

Wood Paving Blocks—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 500,000 wood paving blocks, to Amer. Creosoting Co., 17 Battery Pl., $22,495; 80,000 gal. gasoline, to Standard Oil Co. of New York, 26 Bway., $17,480; 6,000 cu.yd. binder stone, to Calvin Tompkins Co., 30 Church St., $11,340; 500,000 gal. refined asphalt, to Warner-Quinlan Co., 79 Wall St., $28,440; 15,000 cu.yd. asphalt wearing surface sand, to Z. Mahoney, 557 46th St., Brooklyn, $15,300. Noted Jan. 18.

Steel Tipple, Rock Dumps, etc.—Bakerton (Elmora P. O.), **Pa.**—Sterling Coal Co., steel tipple, rock dump, picking table and screen, to Roberts & Schaffer Co., 400 North Michigan Ave., Chicago, $125,000, also fan, to Jeffrey Mfg. Co., East 1st Ave., Columbus, O.

Structural Steel—New Orleans, La.—Bd. Port Comrs., Suite 201 New Court Bldg., furnishing and erecting steel for Market St. shed, to Converse Bridge Co., Anderson St., Chattanooga, Tenn., $30,000. Noted Dec. 21.

Concrete Bins—Carthage, Mo.—Cowgill & Hill, thirty 1 story, 40 x 85 ft. concrete bins, West 3rd St., to Southwestern Eng. Co., Woodruff Bldg., Springfield, $95,000.

Transmission Line—Harrah, Okla.—See "Industrial Works."

Levee and Bridge—Redwood City, Calif.—San Mateo Co. constructing levee and bridge over Bean Hollow, to A. Mattson, San Bruno, $26,300. Noted Jan. 11.

Foundation — Sacramento, Calif. — See "Buildings."

Steel Pipe, etc.—Terra Bella, Calif.—Terra Bella Irrigation Dist., furnishing riveted steel water pipe, f.o.b. Ultra on or before Feb. 1, as follows: 700 ft. 4 in., 6,700 ft. 6 in., 700 ft. 7 in. and 2,700 ft. 8 in., to Montague Pipe & Steel Co., Hobart Bldg., San Francisco, $5,400. Noted Jan. 18.

Grain Elevator—Goderich, Ont.—Goderich Elevator & Transit Co., J. I. A. Hunt, 85 Horton St., London, 1,000,000 bu. grain elevator, steel and cement on waterfront, to J. H. Tromanhauser, Confederation Life Bldg., Toronto, $250,000 Noted Jan. 11.

OFFICIAL PROPOSALS

Bids: Feb. 5.

Junior High School Building

Trenton, N. J.

Sealed proposals for the complete construction of a new Junior High School Building will be received by the committee on Buildings and Grounds of the Board of Education of Trenton, in the County of Mercer, at the meeting room of the Board in the Administration Building No. 9 South Stockton Street, Trenton, New Jersey, at 8:30 o'clock p.m., eastern standard time, on Monday the 5th day of February, 1923, at which place and time all bids received will be unsealed and contents publicly announced. No bids will be received previous to the time designated, and none will be received thereafter.

All bids shall be presented to the committee at the place and time mentioned by the parties bidding, or their agents, when called for by the chairman of the committee.

Bids for the general construction, for the heating and ventilating, for the plumbing, and for the electrical work, will be taken separately.

A certified check for not less than five (5%) per cent of the amount of the bid must accompany each proposal, made payable to the Board of Education of the City of Trenton, to be treated as liquidated damages in case the bidder receiving the award shall fail to execute a contract and furnish the required bond, within ten days after notification of the acceptance of their bid.

The Board of Education reserves the right to reject any or all bids, or to waive defects or informalities in any bid if it be deemed to the interest of the city so to do.

Copies of the plans and specifications will be on file at the office of the Secretary of the Board of Education, in the Administration Building, for the purpose of estimating.

A limited number of copies of the plans and specifications will be loaned to the prospective bidders on deposit of a certified check drawn to the order of the Board of Education, Trenton, New Jersey, in the sum of $25.00.

These plans and specifications may be obtained by application to the Architect Ernest Sibley, Edgewood Lane and Bluff Road, Palisade, New Jersey, or from J. Osborne Hunt, Associate Architect Hunt Building, 219 East Hanover Street, Trenton, New Jersey. Deposits will be forfeited unless plans and specifications are returned to the Architects within ten days after bids are opened.

(Signed) ROBERT C. BELLVILLE,
Secretary.

For the Board of Education, City of Trenton, New Jersey.

Bids: Feb. 14.

Scherzer Rolling Lift Bridge

New Orleans, La.

Proposal No. 202. City of New Orleans, Louisiana, Department of Public Finances, Purchasing Division, Room 24, City Hall. Sealed proposals will be received at this office until the hour of 11 o'clock a.m., Wednesday, February 14th, 1923, for furnishing and erecting a Scherzer Rolling Lift Bridge over the New Orleans Navigation Canal on the axis of Broad street, in the City of New Orleans, in accordance with plans and specifications on file in this office, complete set of which will be furnished on receipt of a deposit of $5.00, which deposit will be returned when the plans and specifications are returned in good order to this office.

Deposit ten per cent of amount of bid. Cash, Bid Bond or Certified check enclosed with bid.

Bond fifty per cent of contract price.

Contract before the City Notary at bidders expense.

Bidders must have paid their City License in order that their bid may be accepted.

The City reserves the right to reject any and all bids.

R. M. MURPHY,
Commissioner of Public Finances.

January 15th, 1923.

Bids: Feb. 14.

Street Improvements

Camden, Arkansas.

Sealed proposals will be received by the Board of Commissioners, of Camden Paving District No. 2, care of D. V. Snow, Secretary, Camden, Arkansas, until 10 a.m. February 14, 1923, immediately after which hour, said proposals will be publicly opened and read at the City Hall.

The approximate quantities of the principal items of work to be done in the District are as follows:

1,700 lin.ft. of vitrified clay pipe storm sewers 10" to 27" in diameter.
5,500 cu.yd. of grading.
9,400 lin.ft. of concrete curb.
17,600 sq.yd. of pavement.

Alternate bids will be received on reinforced concrete pavement and asphaltic concrete (Topeka Mix), wearing surface on concrete base.

All work will be paid for in cash on periodic estimates of work done and materials furnished.

Certified check or bidders bond for at least 3% of amount of total bid will be required.

Plans and specifications are on file at the office of the Engineer, State Nat. Bk. Bldg., Texarkana, Ark.-Tex., and with the Chairman of the Board of Commissioners at Camden, Arkansas.

Specifications may be secured from the Engineer upon deposit of $2.00, of which amount $1.00 will be refunded upon the return to him of the said specifications.

The right is reserved to reject any or all bids.

E. W. COPELAND,
Chairman.
D. V. SNOW,
S. T. TYSON,
Board of Commissioners,
Camden Paving District No. 2.
E. F. PETERSEN, Engineer,
Texarkana, Ark.-Tex.

Bids: Feb. 2.

High School Building

Perry, N. Y.

Sealed bids will be received by the Board of Education, District No. 6, Towns of Perry and Castile, Perry, N. Y., at the office of the Secretary, T. H. Donnelly, High School building on Leicester street, on or before 12 o'clock, noon, Eastern Standard Time, Feb. 2nd, 1923, for making the proposed alterations in the old building, and the construction of a two-story brick addition 146 x 150 feet, according to plans and specifications prepared by Gordon & Kaelber, Architects, 125 Sibley Building, Rochester, N. Y.

The plans and specifications may be inspected at the office of said architects or said secretary of the Board of Education, and obtained together with bidding sheets at the office of said architects.

Each bid shall be accompanied by a certified check amounting to 5% of the amount of the bid. If the bid is accepted a contract will be entered into within 30 days. The performance of said contract shall be properly secured by the United States Government bonds or surety bonds duly approved by the Board of Education.

The Board of Education may, at its discretion, reject all bids as the interests of the District may appear.

Bids will be received on the following types of work:

No. 1. Mason, Steel and Iron, Tile and Marble work.
No. 2. Carpenter work and Hardware.
No. 3. Painting and Finishing.
No. 4. Roofing and Metal work.
No. 5. Electrical work.
No. 6. Sprinkler System.
No. 7. Heating and Ventilating.
No. 8. Plumbing.

If any contractor prefers to submit a general bid on the first six types of work listed above, the Board will receive and consider it.

By order of the Board of Education.

G. L. PECK.
W. D. OLMSTED.
MRS. ANNA SMITH.
MRS. THEO CALKINS.
DR. C. R. BROWN.
W. W. McMAHAN.
W. A. AUSTIN.

Jan. 10, 1923.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Feb. 16.

Highway Bridge

Pikeville, Ky.

Sealed proposals will be received by the Fiscal Court of Pike County, Kentucky, at the office of the County Judge at Pikeville, Kentucky, on Friday February 16th, 12 a.m. for the construction and erection of a highway bridge across the Tug Fork of Big Sandy River near Edgarton, West Virginia, and Freeburn, Ky. This bridge to be constucted jointly by Pike County, Kentucky and Mingo County, West Virginia. The required length is approximately 300 feet and two 150 spans are proposed. Clear width of roadway 16 feet and either three of four inch wood floor. This bridge to be designed by the contractor in accordance with situation plan and profile and other information to be furnished by the County Road Engineer of Pike County and to comply with specifications furnished by him.

Plans for this bridge are to be submitted at the above mentioned time and place together with bids and are to be subject to the approval of the County Road Engineer. To insure an economical design, as such latitude as possible will be given to the bidders as to type of bridge, span length etc., so long as requirements as to river channel etc., are complied with. The loading, stresses, quality, of materials etc., must conform to the requirements of the Kentucky State Highway Department standards for specification for bridges. This will be a ten ton capacity bridge. Prospective bidders are asked to submit bids on both concrete and steel structures.

Situation plans, profiles, specifications etc, will be sent to any one interested upon request by J. S. Bentley. County Road Engineer, room 208 Hughes Building, Pikeville, Kentucky. A change of $3.00 for each set of blue prints and specifications to cover cost of blue printing, typing, etc. will be made. All bids must be accompanied by a certified check for $2,500.00 payable to the Treasurer of Pike County, Kentucky, to insure that bidder will enter into proper contract. Checks of unsuccessful bidders will be returned as soon as contract is awarded.

The Fiscal Court reserves the right to reject any and all bids.

By order of the Fiscal Court of Pike County, Ky.

J. S. BENTLEY,
County Road Engineer.
W. E. FLANNARY, County Judge.

Bids: Jan. 29.

Road Improvement

Mineola, L. I., N. Y.

Sealed proposals will be received by the Board of Supervisors of Nassau County, in its Chambers, in the Court House at Mineola, Long Island, on Monday, January 29, 1923, at 11 a.m. for the Improvement of the Long Beach Road between Barnum Island Creek and the Upland by the construction of bulk head and filling.

Plans and specifications may be seen at the office of W. Fred Starks, County Engineer, at Mineola, Long Island.

Each bid must be accompanied by a certified check on a solvent bank in the sum of three per cent of the amount of the total contract, made payable to the County of Nassau.

The Board of Supervisors reserves the right to reject any or all bids, waive any informality in the bids, and to accept the bid which it deems most favorable to the interest of the County.

By order of the Board of Supervisors.
By JESSE MERRITT,
Clerk.
Dated at Mineola, L. I., January 11, 1923.

OFFICIAL PROPOSALS

Bids: Feb. 6.

Sewer Arms

Springwells, Mich.

Sealed bids will be received up to 8 p.m., Feb. 6, 1923, by the Village Clerk at the Village Hall, Springwells, Michigan, for the construction Sewer Arms Sections No. 25 to Section No. 35.

The work is divided into eleven sections containing approximately 33,000 ft. of 20" to 120" sewer. Sewers may be built in open cut or tunnel with brick, concrete, reinforced concrete pipe for sizes over 24". Sizes 24" and under may be built of Double Strength Vitrified Pipe.

Plans and specifications are on file at the office of the Village Clerk and copies may be secured from the office of Clarence W. Hubbell, Consulting Engineer. 2348 Penobscot Bldg., Detroit. A deposit of $10.00 will be required for the plans and specifications which will be refunded upon their return in good order on or before Feb. 16, 1923.

A certified check made payable to the Village of Springwells for the sum of $2,500.00 must accompany each bid on each Section. Contractors may bid on any or all Sections. In case of failure or neglect to enter into contract and furnish the required bonds within the time specified the certified check shall be forfeited to the Village of Springwells as liquidated damages.

No proposals will be received unless made on the blanks furnished and delivered to the Village Clerk on or before 8 p.m., Feb. 6, 1923.

The Village reserves the right to reject any or all bids.

By order of the Village Council.
B. P. ESPER,
Village Clerk.

Bids: Feb. 7.

Bridges

Appleton, Wisc.

Sealed bids will be received by the undersigned, city clerk of the city of Appleton, Wisconsin, up to 4:00 o'clock P.M., February 7th, 1923, for furnishing all labor and material and constructing according to plans and specifications, bridges across the Fox River at Lawe street and Cherry street.

The Lawe-st bridge over the Fox River will be of reinforced concrete, resting on steel cylinder piers sunk to bed rock and on the footings for columns on shore. It provides for a twenty-foot roadway and six foot sidewalk. The Cherry street bridge over the Fox river, will be of steel girder type, resting on concrete piers, sunk to bed rock and the footings for abutments on shore. It provides for a thirty-two foot roadway and a seven foot sidewalk. Plans and specifications are on file and may be examined in the office of E. L. Williams, city clerk, and O. F. Weissgerber, city engineer and in the office of Harrington, Howard & Ash, consulting engineers, Kansas City, Mo.

Copies of the plans and specifications may be secured from the consulting engineers by depositing $25.00, these plans are to be returned upon request, at which time a refund of $15.00 will be made. A bond in the full amount of the contract will be required.

A certified check in the sum of not less than 5% of the total bid, made payable to the city clerk, must accompany each bid.

Council reserves the right to reject any or all bids.

Dated January 4th, 1923.
BY ORDER OF THE COMMON COUNCIL E. L. Williams, City Clerk.

OFFICIAL PROPOSALS

Bids: Feb. 6.

Building Construction and Remodelling

Toms River, N. J.

Sealed bids will be received at the Court House on or before 12 o'clock noon on Tuesday, February 6th, 1923, by the Board of Chosen Freeholders of Ocean County, State of New Jersey, for the Erection and Completion of a New Brick and Concrete Detention Building for Witnesses and the complete remodeling of Wardens Dwelling, at Toms River, N. J., including all labor and material required for the following work.

Item No. 1. General Construction and Completion of Building.
Item No. 2. Steel Work in Detention Quarters.
Item No. 3. Plumbing and Drainage.
Item No. 4. Heating System.
Item No. 5. Electrical Wiring.
Item No. 6. Lighting Fixtures.

The work to be done according to plans, specifications of P. P. Elkinton, Architect and Engineer and under his personal supervision.

Bids will be opened publicly on Tuesday, February 6th, 1923, at the Freeholders Room, Court House, Toms River, N. J.

All bids must be sealed and addressed to the Board of Chosen Freeholders of the County of Ocean, State of New Jersey, marked on envelope "Proposal for work on Detention Rooms and Warden Dwelling" Item No.

Each bidder must enclose with estimate a certified check in sum of 10% of the amount of his bid as a guarantee that he will accept and carry out his proposal if contract is awarded to him.

Certified checks will be returned to the unsuccessful bidders after contracts are awarded.

Plans and specifications can be obtained at the office of the Architect, P. P. Elkinton, Toms River, N. J.

A deposit of $15.00 will be required on all plans and specifications taken out of the Office to be refunded when plans and specifications are returned to the Architect.

The right is reserved to reject any or all bids.

By order of the Board of Chosen Freeholders of the County of Ocean.
D. O. PARKER, Clerk.

Bids: Feb. 7.

Dredging and Fill

McCOMAS CONTRACT NO. 1

Baltimore, Md.

Proposals for dredging and making fill at the proposed McComas Street Bulkhead, Baltimore, will be received until 11 o'clock a.m., February 7th, 1923. Approximate quantity of dredging 1,300,000 cubic yards.

Proposals must be in duplicate, addressed to the Board of Awards, and sent to the City Register's Office, City Hall, Baltimore, accompanied by a certified check of the bidder for $5,000 on a Clearing House Bank, drawn to the order of the Mayor and City Council of Baltimore.

The right is reserved to reject any or all bids.

A bond in the amount of the contract price will be required for the proper performance of the contract.

Specifications may be obtained at the office of the Harbor Board, Recreation Pier, Broadway.

BANCROFT HILL,
Harbor Engineer.

APPROVED:
A. E. CHRISTHILF,
Chief Engineer.

APPROVED:
WM. F. BROENING,
President Board of Awards.
FRANK DRISCOLL,
Asst. City Solicitor.